CIP CAPITAL IMPROVEMENT PROGRAM

Santa Clara Valley Water District

2012-2016
CAPITAL IMPROVEMENT PROGRAM

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OVERVIEW

The Santa Clara Valley Water District's (District) Fiscal Year 2012-16 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects from Fiscal Year 2011/12 through Fiscal Year 2015/16. The purpose of the CIP is to document planned District projects to help integrate District work with the larger community by aligning District planning with other local agency planning efforts.

The District's CIP is developed following the guidelines of Government Code (GC) § 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all agencies having land use authority within the District prior to adoption of the program. This document is intended to provide the information necessary to facilitate planning and construction of water related infrasructure to meet the needs of Santa Clara County.

SANTA CLARA VALLEY WATER DISTRICT

Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner.

The CIP is prepared in accordance with the guidelines established by the Government Finance Officer Association (GFOA). Capital projects in this document are defined by both the accounting criteria for capital investment and Public Contract Code definition of public works. They exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories.

1. Acquisition of land for public purpose
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building
3. Addition to or expansion of an existing facility
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

The CIP includes 5 Small Capital Improvement Projects in the various cost centers. These projects will be ongoing and will be used to fund multiple small projects to undertake repairs, replacements, and minor modifications to existing water utility or campus facilities. Small Capital Improvements generally meet the following criteria:

1. Project cost is less than $1.5 million
2. Project can be completed within 2 fiscal years
3. Rights-of-Way acquisition is not required.

The proposed funding for the Water Supply Small Capital Improvement projects is anticipated to vary each year based on the work identified in the Water Utility Asset Management Plan. The Almaden Campus Small Capital Improvements Project is funded at a flat rate of $2 million per year. Unspent funds in these projects will not carry forward from previous years.

There are some miscellaneous capital expenditures incurred by the District that are not captured in the CIP. These capital expenditures include certain components of water purchases, indirect costs to manage and train staff that are fully engaged in capital work, and routine replacement of computers, vehicles and large equipment.

ALIGNMENT WITH ENDS POLICIES

The District plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under the District's Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by District staff. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends.

Program plans or master plans are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects. Alignment of the CIP with program or master plans provides a direct link to Ends Policies and ensures the District's long-term capital investments are planned and executed according to the Board's priorities. Three Ends Policies directly drive program or master plans and the types of capital improvements described in the CIP.

- Ends Policy E-2 "There is a reliable, clean water supply for current and future generations.
- Ends Policy E-3 "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations."
  - E-3.1 "Natural flood protection for residents, businesses, and visitors"
  - E-3.2 "Reduced potential for flood damages"
- Ends Policy E-4 "There is water resources stewardship to protect and enhance watersheds and natural resources and to improve the quality of life in Santa Clara County."

(See flowchart "CIP Process Alignment with Ends Policies" on page I-5)

CIP PLANNING PROCESS

The District conducts an annual planning process for its Capital Improvement Program. The purpose of the planning process is to ensure the capital projects included in the CIP:

- meet the Board's priorities and contribute to the objectives of the District's various programs
- have identified funding for the duration of the projects
- are coordinated with the local jurisdiction's General Plans.

The CIP planning process is carried out in accordance with the following Executive Limitations.

- Executive Limitation EL-4.1.1., "The CEO shall not fail to produce an annual Rolling Five-Year Capital Improvement Plan with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan."
- Executive Limitation EL-4.2.1., "The CEO shall not fail to demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Plan do not deviate materially from the Board's priorities."

The annual CIP process is the responsibility of the CIP Committee comprised of division/office managers, with the responsibility to initiate or implement capital projects. The detailed process is a documented ISO procedure. It includes the following key steps:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans
- Prioritization of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities
- Financial analysis, to determine the capacity of the District's capital funding sources to fund the proposed capital projects

- Outreach to local jurisdictions within Santa Clara County, to coordinate the District's Capital Improvement Program with their General Plans
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities
- Board adoption of the CIP plan

The annual CIP planning process takes approximately 10 months to complete. The process starts with collecting information on proposed new capital projects in July, followed by preliminary scoping, priority and financial analyses to produce a Draft CIP in January/February. The Draft CIP serves as a multi-year plan, together with other long-term planning efforts of the District, is the basis for the budget for the following fiscal year. This Draft CIP plan is also reviewed by local jurisdictions for consistency with their General Plans. While the CIP is being reviewed by the cities and County the budget is being reviewed and finalized. The Board concludes the outreach on the CIP with a public hearing. The first year of the CIP is reconciled with the budget and the two documents are presented to the board for formal adoption in April/May.

Board Direction and CIP Outreach

The Board has many opportunities each year to provide direction on projects contained in the Capital Improvement Program. The CIP is developed in parallel with the budget and the water rates. It is presented to the Board on three separate occasions for review and input. Early in the process the criteria and project list are presented to the board so they can provide direction to staff, ensuring that the document is developed in accordance with board priorities.
The direction received is used to develop the Draft CIP which is reviewed and accepted by the Board before staff is authorized to release the document for public review.

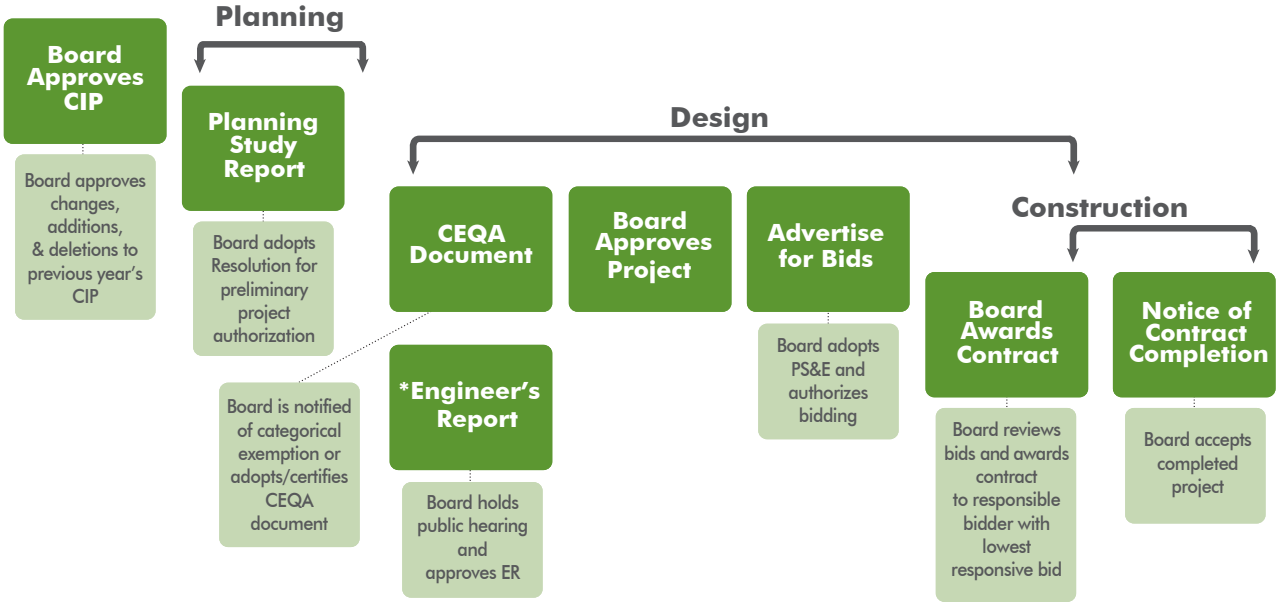
On January 11, 2011 the FY 2011/12 project list and prioritization criteria were reviewed and endorsed by the Board. The following are highlights of changes from the previous year that were approved as the basis for the FY 2012-16 CIP:

- Lower water usage has decreased the revenue available for projects and programs funded by groundwater production charges. A $10 million revenue shortfall is anticipated in the current budget year, FY 2010/11.
- To fully fund the Water Supply projects in the FY 2012-16 CIP an increase in the groundwater production charges of 9.4% in Zone W-2 (North County) and 3.6% in Zone W-5 (South County) will be required in FY 2011/12.
- The Stream Stewardship fund is also experiencing a downward trend in available revenue. The estimated actual revenue for FY 2010/11 is -2.7% below budget, revenue for FY 2011/12 is projected to fall by 2% (-2%), with a gradual return to a +3.6% growth in FY 2014/15 and beyond. This reduction in revenue will be offset by removing future years funding for construction of the Upper Penitencia Creek Project ($25.7 million in FY 2017-19) and early implementation of the San Francisco Bay Shoreline Project ($6 million in FY 2019/20).
- Two new projects (estimated costs of $127 million) will be included in the FY 2012-16 CIP. The net impact to the CIP is only $0.8 million because the $126 million funding for the Anderson Dam seismic Retrofit Project was previously included in the CIP.
- To clarify the differences between regulatory-driven and optional environmental enhancements a fourth sub-category was added to the Water Resources Stewardship category of the CIP. The new sub-category is Environmental Commitment and will contain projects that are implemented to satisfy agreements made with regulatory agencies that improve the watershed environment. The criteria for prioritizing the various sub-subcategories of Water Resources Stewardship projects will be re-evaluated in the upcoming months.

OVERVIEW

Each project in the CIP goes through a planning phase, design phase and construction phase. The Board may determine to not implement a project based on various considerations such as financial constraints, environmental impacts or community desire during a project's planning or design phases. Approval of a capital project by the Board occurs at the end of the design phase when the Board approves the plans and specifications to solicit bids for construction of the project.

OPPORTUNITIES FOR BOARD DIRECTION ON CAPITAL PROJECTS



** Engineer's Report is required only on projects with zone funding.*

Construction of the Pond A-8 Notch was completed in FY 2011. The project received over half of its funding from external sources including an ARRA award from the California Coastal Conservancy and a grant from State Water Resources Control Board.

CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Ends Policy E-2
There is a reliable, clean water supply for current and future generations.

→

Program Plans or Master Plans
- **1990** SCVWD Action Plan for reducing disinfection by-product (Board approved)
- Integrated Water Resource Plan (Board Work Studies)
- **1999** Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and the District (Board approved)
- **2004** Santa Clara Valley Water District AssetManagement Program Implementation Plan
- **2005** Urban Water Management Plan (Board approved)
- **2005** Dam Safety Plan
- **2005** Water Infrastructure Reliability Plan
- **2006** South County Water Recycling MasterPlan (Board approved)

→

FY 2012-2016 CIP
- **56 - Water Supply Capital Projects**

Ends Policy E-3.1 & E-3.2
There is natural flood protection for residents, businesses, and visitors as well as reduced potential for flood damages.

→

Program Plans or Master Plans
- **1986** Benefit Assessment Program (Board approved)
- **1990** Benefit Assessment Program (Board approved)
- **2000** Clean Safe Creek Program (Board approved)
- **2001** Stream Maintenance Program (Board approved)Annual Watershed Facility Inspection Program (for Lower Peninsula, West Valley, Guadalupe, Coyote and Uvas/Llagaswatersheds)
- Feasibility Cost Sharing Agreements with the US Army Corps of Engineers

→

FY 2012-2016 CIP
- **17 - Flood Protection Capital Projects**

Ends Policy E-4
There is water resources stewardship to protect and enhance watersheds and natural resources and to improve the quality of life in Santa Clara County.

→

Program Plans or Master Plans
- CEQA commitments
- Regulatory permitting commitments
- Enhancement Program per Clean Safe Creeks Program (Board approved)
- Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other

→

FY 2012-2016 CIP
- **12 - Water Resources Stewardship Projects**

Strategic Support

→

Program Plans or Master Plans
- **1990** Facilities Master Plan - Site Analysis Report (Board approved)
- **2005** Needs Assessment and Plan Feasibility Study

→

FY 2012-2016 CIP
- **1 - Buildings and Grounds Capital Projects**

Strategic Support

→

Program Plans or Master Plans
- **2001** Information System Master Plan
- **2003** Enterprise-wide Master Communication Plan

→

FY 2012-2016 CIP
- **4 - Information Technology Capital Projects**

CIP Prioritization and Financial Analyses

FISCAL YEAR 2012-16 CIP SUMMARY

The recommended CIP for FY 2012-16 includes 90 priority projects to implement the goals and objectives of the District's program plans and master plans. These projects are grouped into five types of improvements.

- *Water Supply Capital Improvements*
  56 projects contributing to Ends Policy E-2
- *Flood Protection Capital Improvements*
  17 projects contributing to Ends Policy E-3
- *Water Resources Stewardship Capital Improvements*
  12 projects contributing to Ends Policy E-4
- *Buildings and Grounds Capital Improvements*
  1 project supporting District efforts to achieve the Ends Policies
- *Information Technology Capital Improvements*
  4 projects supporting District efforts to achieve the Ends Policies

Each of the 90 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for the District are property taxes, a special parcel tax and water production charges for use of groundwater, treated water, and surface water. These revenues are organized into seven funds. Six of the seven funds have a specific purpose and only finance the operational and capital expenditures related to that purpose. In 2008 the Board decided to combine the individual watershed funds into a county-wide watershed and stream stewardship fund to send the message that the watershed activities are managed for the benefit of the county. This also streamlines most tracking and accounting activities for staff. The District continues to receive a small amount of revenue from benefit assessments that were approved by voters in the 80s and 90s. These funds are dedicated to specific watersheds and the accounting practices to ensure that they are spent and accounted for appropriately have been kept in place. As shown in the chart below, four of the seven funds are used to finance the five types of capital improvements in the CIP.

The passage of the American Recovery and Reinvestment Act (ARRA) by congress in February of 2009 made additional federal funds available for construction of infrastructure projects. With 82 active capital projects the distict was well positioned to benefit from ARRA funds. Four of the projects in the FY2011/12 CIP are partially funded by ARRA funds. The District recieved a $20.6 million commitment from the Natural Resource Conservation Service (NRCS) to continue work on Lower Silver Creek, from I-680 to Lake Cunninham. The US Army Corps of Engineers (USACE) secured $12.5 million to complete the downtown portion of the Guadalupe River project. The US Bureau of Reclamation committed $8.1 million for Recycled Water Advanced Treatment Facility WPCP and up to $1.6 million for Recycled Water Master Plan - Short Term. The Pond A-8 Advanced Study Project which received $866 thousand, in ARRA funding, from the California Coastal Conservancy was completed in 2011 and removed from the CIP.

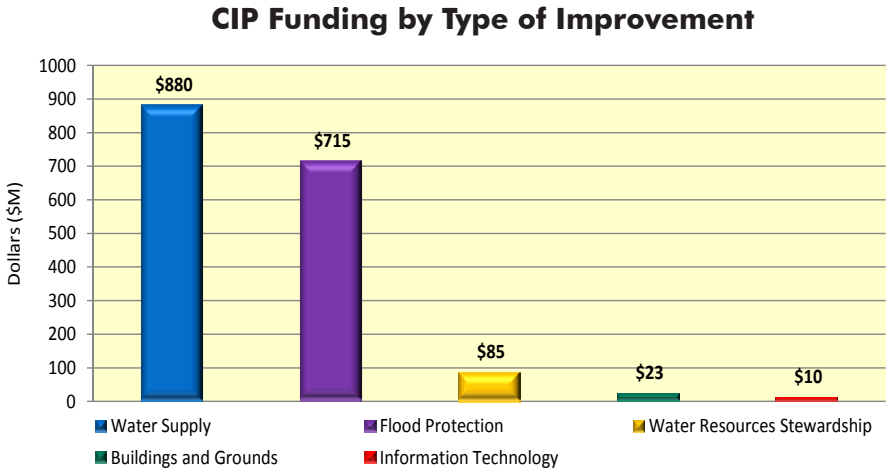
This chart identifies which types of improvement are associated with each of the District's four capital funds.

DISTRICT PRIORITIES	District Funds			
Type of Improvement	Water Enterprise Fund	Watershed Stream Stewardship Fund	General Fund	Clean Safe Creeks Funds
Water Supply	●			
Flood Protection		●		●
Water Resources Stewardship	●	●		●
Buildings and Grounds	●		●	
Information Technology	●	●		

The estimated total funding required to implement the 90 projects defined in the CIP is $2.072 billion. The District has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $2.072 billion total funding, $567 million is expected from the District's various partners, such as the U.S. Army Corps of Engineers (USACE), and $1.505 billion from the District. A list of projects that are funded cooperatively with the District's partners is summarized in Appendix C. Funding from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed, or
- Funds that are reimbursed by the partners after the District advances the needed funds.

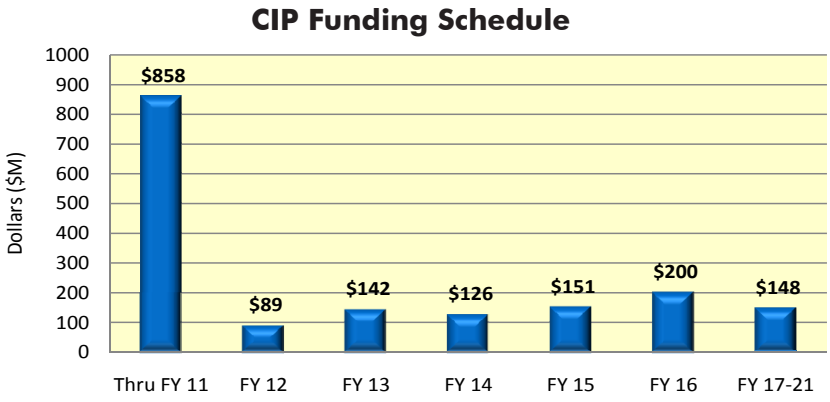
Of the $567 million that is expected from the District's partners, $208 million is advanced by the District and reimbursed later. This $208 million is included in the CIP, and increases the District's total funding requirement from $1.505 billion to $1.713 billion, to ensure that the District has adequate funding to advance the reimbursement.



The chart above shows the distribution by type of improvement, of the $1.713 billion total CIP funding as planned in the FY 2011/12 CIP.

The chart above shows how the $1.713 billion to implement the 90 projects is allocated to each of the five Types of Improvements.

Of the $1.713 billion in total funding for the 90 projects identified in the CIP, the Board has appropriated $858 million in prior years (through June 30, 2011 the end of Fiscal Year 2010/11). This year's CIP process identified additional funding needs of $855 million to complete the projects in the CIP, with $89 million allocated in Fiscal Year 2011/12 and a total of $766 million proposed for future years. The table shown on page I-8 breaks down the fiscal year total by the five types of improvement and by applicable funding sources.



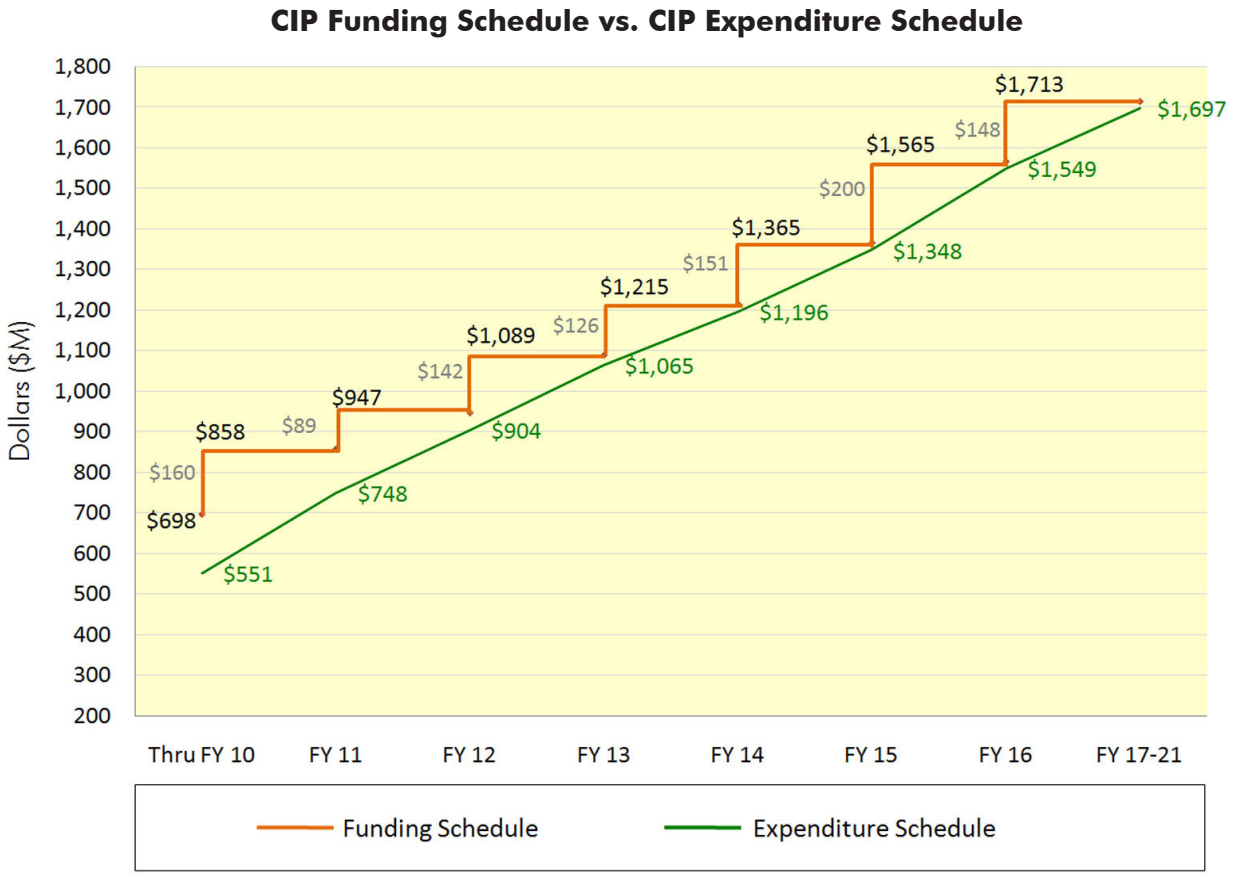
The chart above shows how the $1.713 billion is distributed by fiscal year.

CIP Funding Schedule by Type of Improvement and Funding Sources ($K)

	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
WATER SUPPLY										
Water Enterprise Fund	277,206	70,111	40,184	40,255	48,266	39,302	95,774	182,438	126,153	879,505
Water Supply Total	277,206	70,111	40,184	40,255	48,266	39,302	95,774	182,438	126,153	879,505
FLOOD PROTECTION										
Watershed Stream Stewardship Fund	224,381	47,846	10,029	20,942	7,060	14,444	770	10,552	1,768	327,763
Clean, Safe Creeks and Natural Flood Protection Fund	154,599	37,058	46,370	22,845	64,330	61,863	45,140	1,037	-	386,872
Flood Protection Total	378,980	84,904	56,399	43,787	71,390	76,307	45,910	11,589	1,768	714,635
WATER RESOURCES STEWARDSHIP										
Water Enterprise Fund	9,148	142	1	115	2,449	5,257	4,248	2,913	8,634	32,906
Watershed Stream Stewardship Fund	24,640	1,146	12,705	2,335	16,585	2,594	2,634	723	627	51,284
Clean, Safe Creeks and Natural Flood Protection Fund	250	-	-	316	514	-	-	-	-	1,080
Mitigation Total	34,038	1,288	12,706	2,766	19,548	7,851	6,882	3,636	9,261	85,270
BUILDINGS AND GROUNDS										
General Fund	n/a	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495
Buildings and Grounds Total	-	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495
INFORMATION TECHNOLOGY										
Water Enterprise Fund	3,604	1,877	495	0	174	10	-	-	-	5,666
Watershed Stream Stewardship Fund	4,026	198	218	1	197	12	-	-	-	4,433
Information Technology Total	7,630	2,075	712	1	371	22	-	-	-	10,099
TOTAL	697,854	160,464	110,001	88,857	141,699	125,684	150,850	200,031	147,565	1,713,004
CUMULATIVE TOTAL	697,854	858,318		947,175	1,088,874	1,214,558	1,365,408	1,565,439	1,713,004	

FY 2010/11 Funds to be reappropriated

As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources (on the previous page): approximately $110 million of the already appropriated $858 million is not spent and is reappropriated to Fiscal Year 2011/12 for continued use in those same projects in amounts consistent with the project expenditure schedule for Fiscal Year 2011/12. The following chart explains the relationship between the CIP Funding Schedule and Expenditure Schedule.



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WATER SUPPLY CAPITAL IMPROVEMENTS

WATER SUPPLY OVERVIEW

The District manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E–2, "There is a reliable, clean water supply for current and future generations."

Storage Facilities

- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled Water Facilities

- South County Recycled Water Distribution System
- South Bay Advanced Treatment Facility

Planning, design and construction of the above facilities took decades of effort. Beginning in the 1930s, reservoirs and recharge ponds were built to halt ground water basin subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet growing water demands in the county.

In the early 1990s, the District embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

Water delivered from the Rinconada plant continues to meet the stricter water quality standards even though the plant was built in the 1960's and is showing its age. The facility renewal program for Rinconada Water Treatment Plant (RWTP) that was started in FY 2008/09 is continuing with four individual capital projects and $3.3 million planned expenditures in FY 2011/12. The CIP includes a total investment of $159 million for improvements at RWTP.

With a significant portion of the Water Supply infrastructure approaching forty to fifty years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the Water Supply Capital Improvement Program in recent years, as shown in the CIP.

The District owns and operates ten major dams. While these dams provide water conservation, flood management, recreation, and environmental flow benefits, there are consequences and costs for dam ownership. Knowledge of seismic stability design and construction was very rudimentary during the design and construction of District dams in the 1930's and 50's. Both liquefaction of dam embankments and foundations and embankment stability is critical for seismic stability. Several of the District reservoirs have operating restrictions imposed by the Department of Dam Safety (DSOD) while an engineering analysis of how the District's dams would perform under a major seismic event is completed and appropriate corrective actions are implemented.

On November 26, 2010 the Board was informed that Anderson Dam will require a seismic retrofit and that the operating restriction was increased to 37 feet below the spillway. Since this briefing, the consultant has completed the additional estimate of deformation; it appears that the deformation (settlement) of the dam crest may be 25 feet. The Anderson Dam Seismic Retrofit Project ($126 million) was added to the CIP in January 2011 with a Budget Adjustment of $682,960 for FY 2010/11 to fund staff labor costs for the initial project work.

WATER SUPPLY CAPITAL IMPROVEMENTS

The District began its seismic stability evaluation of Almaden, Calero and Guadalupe Dams in September 2009. The January 4, 2011 Dam Safety Program update to the Board noted that the alluvial material under a portion of Calero Dam could liquefy, and as a result it is possible that the dam will be found to have inadequate seismic stability. Although the preliminary seismic stability analysis will not be completed until fall 2011, the Districts consultant has recommended an interim operating restriction of between 10-15 feet beyond the current operating restriction for Calero Reservoir.

Major Capital Improvements Identified in CIP

Storage:

- Dam Safety Program Seismic Stability
- Pacheco Pumping Plant ASD Replacement
- Almaden Dam Outlet Works Improvement
- Anderson Dam Seismic Retrofit

Transmission:

- Almaden-Calero Canal Rehabilitation
- Main and Madrone Avenue Pipelines Restoration
- Stevens Creek-Vasona Raw Water Distribution
- IRP2 Additional Line Valves

Treatment:

- IRP2 Seismic Study and Retrofit of Water Treatment Plants and Operations Buildings
- Rinconada Water Treatment Plant Facility Renewal Program (four projects)
- RWTP Reliability Improvement
- IRP2 Well Fields

Recycled Water:

- South Bay Advanced Water Treatment Facility
- Recycled Water Masterplan - Gilroy Pipelines and Reservoirs

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new water supply projects proposed to be added to the Fiscal Year 2011/12 CIP reflect the Board's priorities. The priority criteria used to evaluate these projects is included in Appendix A.

A financial analysis of the Water Enterprise Fund, the funding source for water supply capital improvements, was performed to determine the limitations to funding the projects proposed for the Fiscal Year 2011/12 capital program. Results of this year's prioritization process and financial analysis are summarized in Appendix B.

Based on the feedback from the FY 2006-07 CIP and Board direction, a concerted effort was made to develop a multi-year water charge structure that would support the priority work of the water utility business. Staff analyzed both immediate requirements and anticipated future needs to support operations and the continued appropriations for capital investment needed to maintain infrastructure and comply with water quality regulations. Each year staff reviews Board priorities, the financial needs of the water utility enterprise fund, current political and economic factors and updates the multi-year structure. The rate structure for the first year is recommended to the Board for adoption during the annual rate setting process.

While the District has one Water Utility fund, the District has two zones of benefit for the purposes of setting groundwater production charges. The North County Zone is very different from the South County zone in that the water infrastructure is substantially separate and distinct with an entirely different cost of providing service. For example the North zone overlays the Santa Clara groundwater subbasin and is much more densely populated requiring a large amount of imported water from outside the county to provide a reliable water supply. To receive, filter and distribute the imported water, the District chose to build 3 water treatment plants and a network of raw water and treated water distribution pipelines many decades ago. The South zone on the other hand overlays the Coyote and Llagas groundwater subbasins and is more sparsely populated. South County relies primarily on groundwater to serve roughly 50% agricultural and 50% non-agricultural water needs. A small amount of recycled water is served in the Gilroy area. No treated water is served in South County. A small amount of imported water is used to recharge the groundwater subbasins in the South County. The groundwater

subbasins have the ability to absorb the recharge and remain healthy at current water usage levels unlike the North County where several sections of the groundwater basin are very sensitive, which is the main reason for building the treatment plant system long ago.

Three years of flat water charge rates and significant reduction in water sales has resulted in an estimated $10 million revenue shortfall in the FY 2010/11 budget year. To fully fund the Water Supply projects in the FY 2012-16 CIP an increase in the groundwater production charges of 9.4% in Zone W-2 (North County) and 3.6% in Zone W-5 (South County) will be required in FY 2011/12. Preliminary projection indicate the need for annual rate increases in subsequent years ranging from 9% to 10% for North County and 3% to 4% for South County. Reducing or removing capital projects will not impact the need to increase groundwater production charges ing FY 2011/12. Reducting capital outlays in future years by delaying or de-scoping capital projects would reduce the projected level of rate increases.

The Water Utility capital program is scheduled to recieve $9.6 million in ARRA funds from the US Bureau of Reclamation, $8.1 million for the Recycled Water Advance Treatment Facility and $1.5 million for the Recycled Water South County Master Plan Implementation.

The majority of capital projects included in the 5-Year CIP are related to asset management which replaces aging equipment and facilities, or infrastructure reliability, which protects the county's baseline water supply.

The District is currently engaged in several critical studies related to understanding the conditions of various existing water supply facilities and meeting future water supply needs of the county. These studies, such as San Luis Low Point Improvement Project or South County Water Supply and Infrastructure Master Plan, will likely identify a number of new capital projects with significant capital investments. Following is a preliminary list of projects identified by these studies:

- Potential Dam Retrofit or Upgrade Projects
- San Luis Low Point Solution ($141M)
- Construct Diversion to Maximize Recharge Capability at Church Avenue ($4M)
- Long Term South County Recycled Water Facility Expansion Project ($8M)
- Possible new South County Recharge Ponds ($40M)

WATER SUPPLY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2010/11.

Water Supply Capital Improvements

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	STORAGE FACILITY										
91854001	Almaden Dam Outlet Works Improvements	2,103	-	-	-	743	771	685	1,184	11,746	17,232
91864005	Anderson Dam Seismic Retrofit	-	683	-	9,421	903	10,076	16,124	85,942	2,897	126,046
91884002	Coyote Dam Control Building Improvements	444	-	-	49	-	-	-	-	-	493
91084010	Dam Instrumentation	5,682	-	-	-	-	-	605	5,899	408	12,594
91084019	Dam Safety Program Seismic Stability	5,861	808	-	2,816	565	198	-	-	-	10,248
91904005	Lenihan Dam Outlet Modifications	60,559	(500)	3,904	-	-	-	-	-	-	60,059
91954001	Pacheco Pumping Plant ASD Replacement	10,812	6,606	476	669	1,070	264	-	-	-	19,421
91214008	Pacheco Pumping Plant Regulating Tank Recoating	3,907	20	871	27	-	-	-	-	-	3,954
91214009	San Felipe Communications Cable Replacement	657	210	573	-	-	1,302	6	-	-	2,175
91214007	San Luis Reservoir Low Point Improvement - Planning	15,235	-	1,979	-	-	-	-	-	-	15,235
91124001	San Tomas Well Field	12,474	-	73	-	-	-	-	-	-	12,474
91214010s	Small Capital Improvements, San Felipe Reach 1-3	n/a	1,388	-	2,403	2,338	2,424	2,514	2,607	14,658	28,332
	TRANSMISSION FACILITY										
92404003	Alamitos Diversion Dam Improvements	2,962	-	2,125	-	-	258	-	-	-	3,220
92724001	Almaden-Calero Canal Rehabilitation	2,589	-	1,131	-	-	204	5,751	1,283	-	9,827
92C40310	Cathodic Protection of USBR-Owned Pipelines	-	-	-	-	489	468	3,840	-	-	4,797
92484003	Coyote Diversion Dam Improvements	709	-	389	-	582	1,172	-	-	-	2,463
94344006	East Pipeline Rehabilitation, Patt to Milpitas PL	1,512	1,415	2	728	-	-	-	-	-	3,655
94C40220	IRP2 Additional Line Valves	-	-	-	-	-	-	693	853	6,815	8,361
92374005	IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	38	127	805	642	-	1,612
92534003	Kirk Diversion Dam & Fish Screen Improvements	3,196	-	2,248	-	-	1,205	570	-	-	4,971
92564002	Main & Madrone Pipelines Restoration	4,043	1,905	4,572	-	769	374	-	-	-	7,091
92614004	Penitencia Fish Facilities Modifications	276	238	5	476	-	-	-	-	-	990
95144001	Pipeline Hydraulic Reliability Upgrades (Planning)	-	136	-	139	-	-	-	-	-	275
92764009	Small Capital Improvements, Raw Water Transmission	n/a	800	-	1,079	1,252	1,228	1,257	1,287	6,914	13,817
94764006	Small Capital Improvements, Treated Water Transmission	n/a	-	-	-	1,506	1,067	387	420	2,905	6,285
92144001	South County Pipeline Right of Way Acquisition	174	192	15	487	1,120	-	-	-	-	1,973
92764010	Stevens Creek Supplemental Water	122	316	373	-	81	1,211	2,170	26,925	1,105	31,930

FY 2010/11 Funds to be reappropriated

WATER SUPPLY CAPITAL IMPROVEMENTS

Water Supply Capital Improvements ($K) (cont'd)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	TREATMENT FACILITY										
93764003	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	4,314	-	2,982	-	5,747	3,469	2,736	-	-	16,266
93504001	IRP2 Well Fields	-	79	-	157	258	5,978	5,798	6,012	59,560	77,842
93C40275	PWTP Ammonia System Relocation and Upgrades	-	-	-	-	-	679	3,418	300	-	4,397
93234032	PWTP Chemical Systems Upgrade	1,353	-	760	-	-	-	-	1,791	268	3,412
93234043	PWTP Clearwell Recoating & Repair	-	1,003	520	405	3,009	50	-	-	-	4,467
93C40277	PWTP Filter Basin Covers	-	-	-	-	386	666	-	-	-	1,052
93234028	PWTP Improvement Stage 2	69,586	-	11	13	-	-	-	-	-	69,599
93C40278	PWTP Large Valve Automation	-	-	-	-	815	150	-	-	-	965
93234031	PWTP Maintenance Building	5,697	-	719	-	-	-	-	-	-	5,697
93C40199	PWTP Washwater Clarification Facility	-	-	-	-	480	573	6,092	-	-	7,145
93234042	PWTP Water Pumps Modification	606	2,139	2,522	-	286	503	5	-	-	3,539
93C40115	RWTP BL-1 Valve & Vault Replacement	-	-	-	-	-	-	248	1,150	117	1,515
93294029	RWTP Chemical System Upgrade	5,960	-	36	66	-	-	-	-	-	6,026
93C40280	RWTP Filter Polymer System Improvement	-	-	-	-	-	208	1,093	97	-	1,398
93294056	RWTP FRP Chemical Storage Structure & Pump Valves Up	307	671	346	-	3,272	749	177	-	-	5,176
93294050	RWTP FRP Clarifier Rehabilitation	6,337	-	527	-	-	-	-	-	-	6,337
93294054	RWTP FRP Primary Electrical System Improvement	1,170	4,258	759	142	308	-	-	-	-	5,878
93294051	RWTP FRP Residuals Management Modifications	2,903	251	1,566	426	14,175	1,189	206	-	-	19,150
93294057	RWTP Reliability Improvement	2,110	346	693	321	5,416	1,410	39,314	44,719	11,348	104,984
93294035	RWTP Standby Power System Upgrade	1,913	-	123	185	131	-	-	-	-	2,229
93294045	RWTP Valve Replacements	6,018	-	356	-	-	-	-	-	-	6,018
93764004	Small Capital Improvements, Water Treatment	n/a	1,398	-	1,148	1,190	1,234	1,280	1,327	7,412	14,989
93284030	STWTP Incompatible Materials	6,580	1,171	7	347	-	-	-	-	-	8,098
94084005	Water Protection	7,599	-	5,606	131	393	-	-	-	-	8,123
93084009	WTP I/O Cards & Trunk Cable Upgrades	5,286	-	938	-	-	-	-	-	-	5,286
	RECYCLED WATER FACILITY										
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plar	500	-	300	-	-	-	-	-	-	500
91094007s	Recycled Water Masterplan	7,032	6,898	439	195	-	-	-	-	-	14,125
91184008	South Bay Advanced Recycled Water Treatment Plant	6,649	37,680	486	18,425	924	-	-	-	-	63,678
91154006	Water Efficient Demonstration Garden	1,969	-	1,752	-	20	95	-	-	-	2,084
	TOTAL	277,206	70,111	40,184	40,255	48,266	39,302	95,774	182,438	126,153	879,505

The following table shows funding requirements from each funding source for water supply capital.

Water Supply - Funding Source ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	Water Enterprise Fund	277,206	70,111	40,184	40,255	48,266	39,302	95,774	182,438	126,153	879,505
	TOTAL	277,206	70,111	40,184	40,255	48,266	39,302	95,774	182,438	126,153	879,505

FY 2010/11 Funds to be reappropriated

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Project	**Almaden Dam Outlet Works Improvements**
Program	Water Supply – Storage
Priority No.	40
Project No.	91854001
District Contact	Katherine Oven koven@valleywater.org

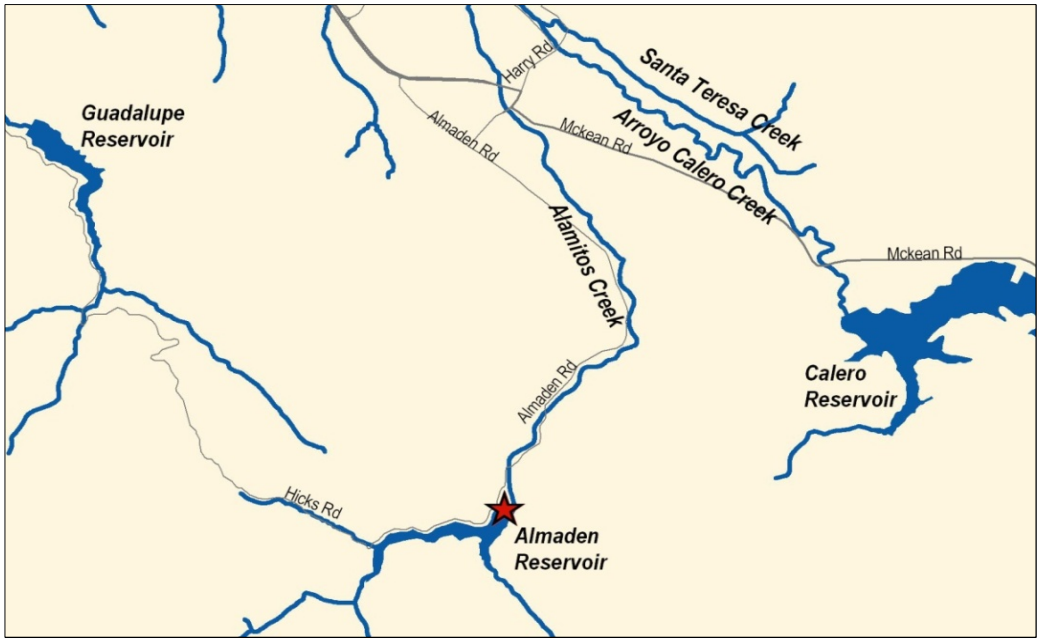
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam Outlet Works to accomplish the following objectives:

- Modify or construct a new intake structure, capable of releasing 246 cfs of water without flushing of sediments through the outlet works.
- Correct existing problems with the outlet energy dissipation structure, piping and valves.

PROJECT LOCATION



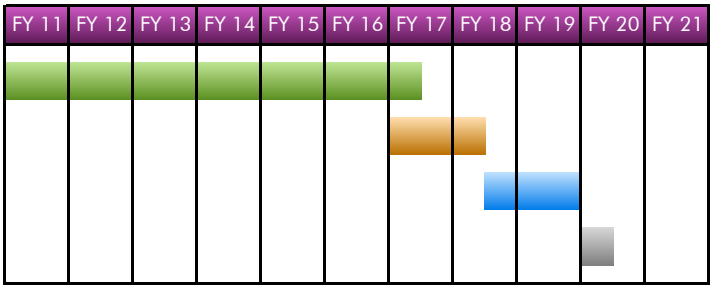
★ Project Location

SCHEDULE & STATUS

October 1999 to December 2019

This project is on hold and scheduled to resume work in 2013, when the seismic analysis of the dam is expected to be complete.

Phase	Cost
Plan	5,503
Design	1,952
Construct	6,720
Closeout	300
	14,475



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91854001-Almaden Dam Outlet Works Improvements	2,103	0	0	700	700	600	1,000	9,372	14,475
with inflation	2,103	0	0	743	771	685	1,184	11,746	17,232

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91854001-Almaden Dam Outlet Works Improvements	2,103	0	0	0	743	771	685	1,184	11,746	17,232

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	17,232
Other Funding Source	0
Total	17,232

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2020. Manually flushing the control valves during the winter months to remove silt will no longer be required.

USEFUL LIFE: 50+ Years

Project	**Anderson Dam Seismic Retrofit**
Program	Water Supply – Storage
Priority No.	97
Project No.	91864005
District Contact	Frank Maitski fmaitski@valleywater.org

Field exploration for seismic stability evaluations

PROJECT DESCRIPTION

This project plans, designs, and constructs seismic retrofit or replacement of outlet works at Anderson Dam, pending completion of a field investigation that will determine whether the Coyote Fault is determined to be "active." Seismic stability improvements will accomplish the following objectives:

- Resolve seismic stability deficiencies to ensure public safety.
- Restore lost reservoir storage capacity resulting from the operational restriction issued by Division of Safety of Dams (DSOD).
- Resolve the DSOD/FERC (Federal Energy Regulatory Commission) requirements in a timely manner.

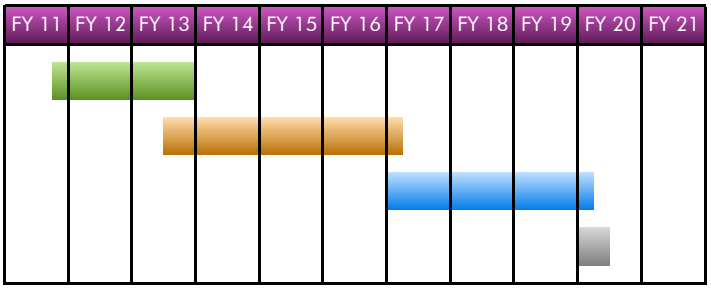
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

January 2011 to June 2019

Phase	Cost
Plan	10,624
Design	12,200
Construct	87,600
Closeout	200
	110,624



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91864005-Anderson Dam Seismic Retrofit	0	683	9,421	850	9,150	14,120	74,100	2,300	110,624
with inflation	0	683	9,421	903	10,076	16,124	85,942	2,898	126,046

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91864005-Anderson Dam Seismic Retrofit	0	683	0	9,421	903	10,076	16,124	85,942	2,898	126,046

Adjusted Budget includes adopted budget plus approved budget adjustments. Planned funding in FY 2012 includes approved budget of $7,151,000 and a planned budget adjustment of $2,270,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	126,046
Other Funding Source	0
Total	126,046

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 50+ Years

Project	**Coyote Dam Control Building Improvements**
Program	Water Supply – Storage
Priority No.	65
Project No.	91884002
District Contact	Katherine Oven koven@valleywater.org

Control Building at Coyote Dam

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the Coyote Dam Control Building to accomplish the following objectives:

- Correct an electrical code compliance deficiency associated with the storage of flammable liquid/vapor in close vicinity to an electrical source.
- Provide working clearance required by electrical code during testing and maintenance of batteries and other electrical equipment within the control building.

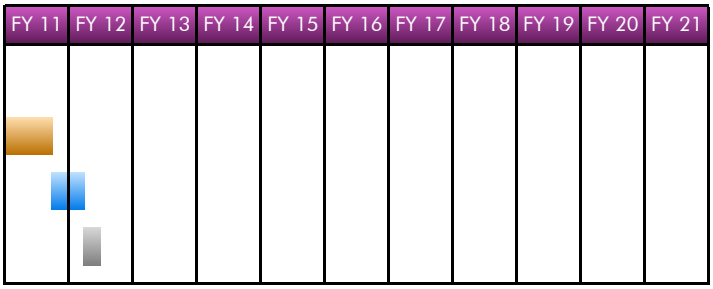
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2009 to June 2011

Phase	Cost
Plan	16
Design	252
Construct	219
Closeout	6
	493



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91884002-Coyote Dam Control Building Improvements	208	236	49	0	0	0	0	0	493
with inflation	208	236	49	0	0	0	0	0	493

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91884002-Coyote Dam Control Building Improvements	444	0	0	49	0	0	0	0	0	493

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	493
Other Funding Source	0
Total	493

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years

Project	**Dam Instrumentation**
Program	Water Supply – Storage
Priority No.	33
Project No.	91084010
District Contact	Katherine Oven koven@valleywater.org

Piezometers similar to those being installed here at Lenihan Dam will be installed at the other dams.

PROJECT DESCRIPTION

This project installs state-of-practice automated geotechnical instrumentation at Almaden, Anderson, Calero, Chesbro, Coyote, Guadalupe, Rinconada Treated Water Reservoir, Stevens Creek, Uvas and Vasona Dams in a phased approach, to accomplish the following objectives:

- Monitor internal movement and water pressure at the ten District dams referenced above.
- Develop a system at each dam that is capable of collecting, checking, recording, and archiving the collected data and alarming staff when parameters exceed set threshold limits.

This Dam Instrumentation Project is a major element of the Dam Safety Program at the District. The installed instrumentation will provide critical information to potentially identify needed capital improvements to ensure the structural integrity of the District's Dams. The scope, schedule, costs and funding sources for these potential capital improvements are not fully identified.

PROJECT LOCATION

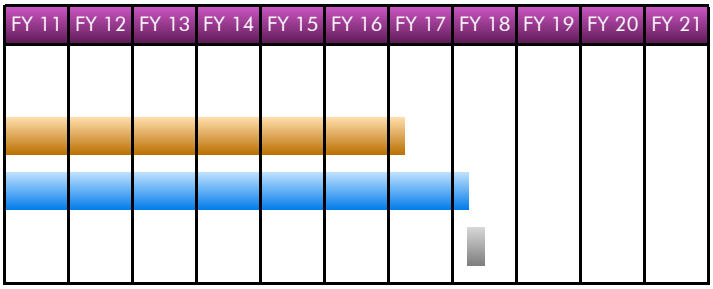
★ Project Location

SCHEDULE & STATUS

February 2005 to December 2017

Planning phase is complete. Design and construction phases overlap, due to a phased approach for managing work at 10 dams. The project is on hold. Phase 2 will resume in FY 2015.

Phase	Cost
Plan	325
Design	1,443
Construct	9,734
Closeout	100
	11,602



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91084010-Dam Instrumentation	5,682	0	0	0	0	530	5,060	330	11,602
with inflation	5,682	0	0	0	0	605	5,899	408	12,593

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91084010-Dam Instrumentation	5,682	0	0	0	0	0	605	5,899	408	12,593

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,593
Other Funding Source	0
Total	12,593

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $30,000 per year at the end of Phase 1 in FY 2009, increasing to $50,000 per year beginning at the end of Phase 2 in FY 2018. Increases are for monitoring the data and maintaining the geotechnical instrumentation.

USEFUL LIFE: 10+ Years

Project	**Dam Safety Seismic Stability**
Program	Water Supply – Storage
Priority No.	100
Project No.	91084019
District Contact	Frank Maitski fmaitski@valleywater.org

Field exploration for seismic stability evaluations

PROJECT DESCRIPTION

This project conducts preliminary planning (seismic stability evaluation) for 7 dams (shown on the map) to accomplish the following objectives:

- Address seismic stability issues.
- Provide for public safety.
- Ensure operational availability of reservoirs.
- Address protection of the assets.

Site specific planning, design, and construction of dam seismic stability improvements at up to eight District dams (identified on the map) will be funded separately. This project funds preliminary planning (seismic stability evaluation, to determine the need for seismic stability improvements) for seven dams. The seismic stability evaluation for Anderson Dam is funded under 91081007 Dam Safety Program in the operations budget. A separate capital project (91864005) is funding the seismic remediation of Anderson Dam. The scope, schedule, costs, and funding sources for the remaining dams will be determined upon completion of the seismic stability evaluation.

PROJECT LOCATION

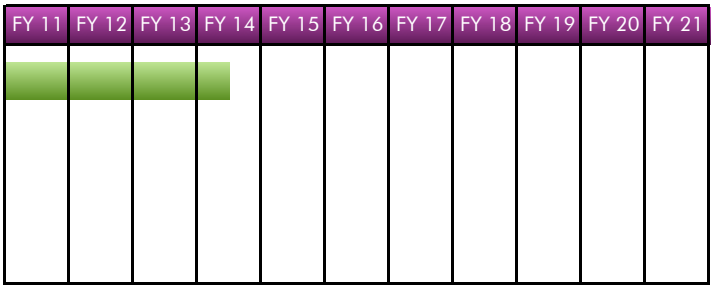
★ Project Location

SCHEDULE & STATUS

August 2009 to December 2013

(Planning Phase Only)

Phase	Cost
Plan	10,197
Design	-
Construct	-
Closeout	-
	10,197



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91084019-Dam Safety Seismic Stability	5,941	728	2,816	532	180	0	0	0	10,197
with inflation	5,941	728	2,816	565	198	0	0	0	10,248

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91084019-Dam Safety Seismic Stability	5,861	808	0	2,816	565	198	0	0	0	10,248

Adjusted Budget includes adopted budget plus approved budget adjustments

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,248
Other Funding Source	0
Total	10,248

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 50+ Years

Project	**Lenihan Dam Outlet Modifications**
Program	Water Supply – Storage
Priority No.	64
Project No.	91904005
District Contact	Katherine Oven koven@valleywater.org

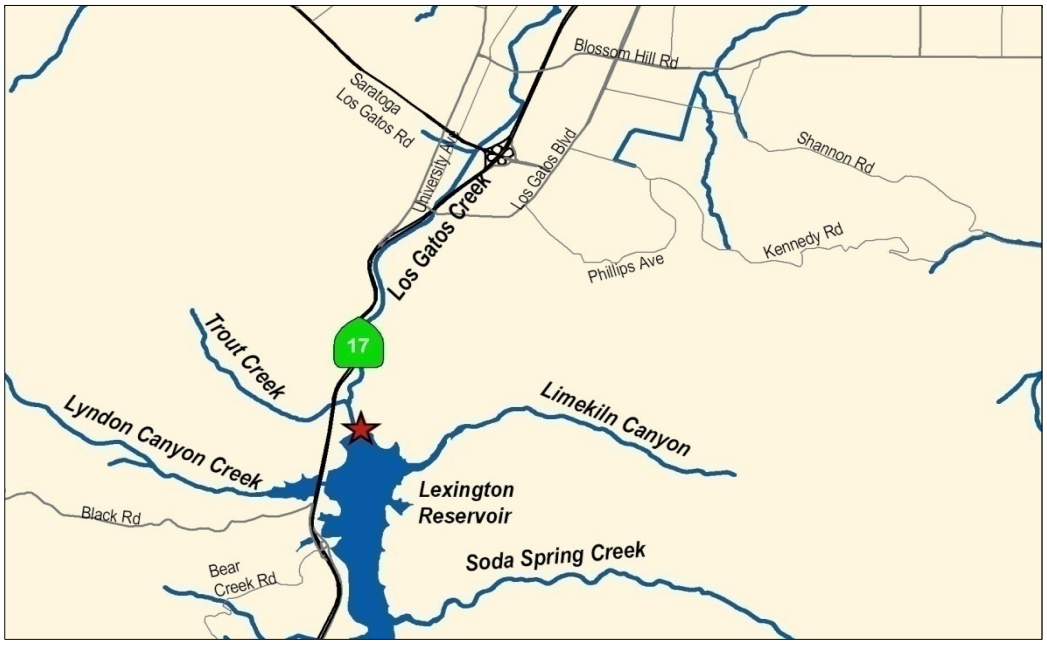
Lexington Reservoir with the Lenihan Dam Outlet structure in the foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs new low-level outlet works at Lenihan Dam to meet the following objectives:

- Safely meet District and California Department of Water Resources Division of Safety of Dams (DSOD) discharge requirements.
- Rescind the existing Division of Safety of Dams restrictions that limit outlet release flows to 70 cfs.

PROJECT LOCATION



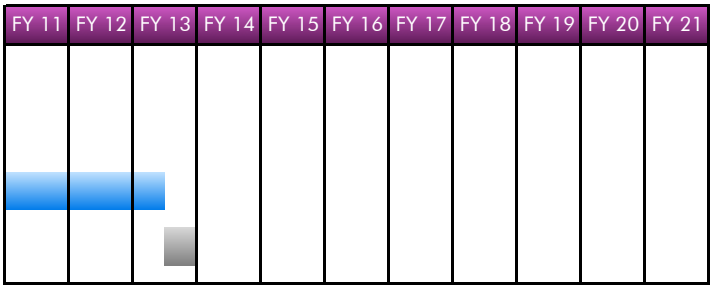
★ Project Location

SCHEDULE & STATUS

October 2000 to June 2013

Planning phase is complete. Design phase is complete. Construction phase includes three years of plant establishment monitoring.

Phase	Cost
Plan	4,198
Design	5,481
Construct	46,425
Closeout	253
	56,357



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91904005-Lenihan Dam Outlet Modifications	55,955	200	102	100	0	0	0	0	56,357
with inflation	55,955	200	102	106	0	0	0	0	56,363

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91904005-Lenihan Dam Outlet Modifications	60,559	-500	3,904	0	0	0	0	0	0	60,059

Project funding exceeds planned expenditures by approximately $3.7 million. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	60,059
Other Funding Source	0
Total	60,059

OPERATING COST IMPACTS

The completion of this project is not anticipated to change operating costs. The District will continue to operate and maintain the facilities in the same manner.

USEFUL LIFE: 50+ Years

Project	**Pacheco Pumping Plant ASD Replacement**
Program	Water Supply – Storage
Priority No.	80
Project No.	91954001
District Contact	Katherine Oven koven@valleywater.org

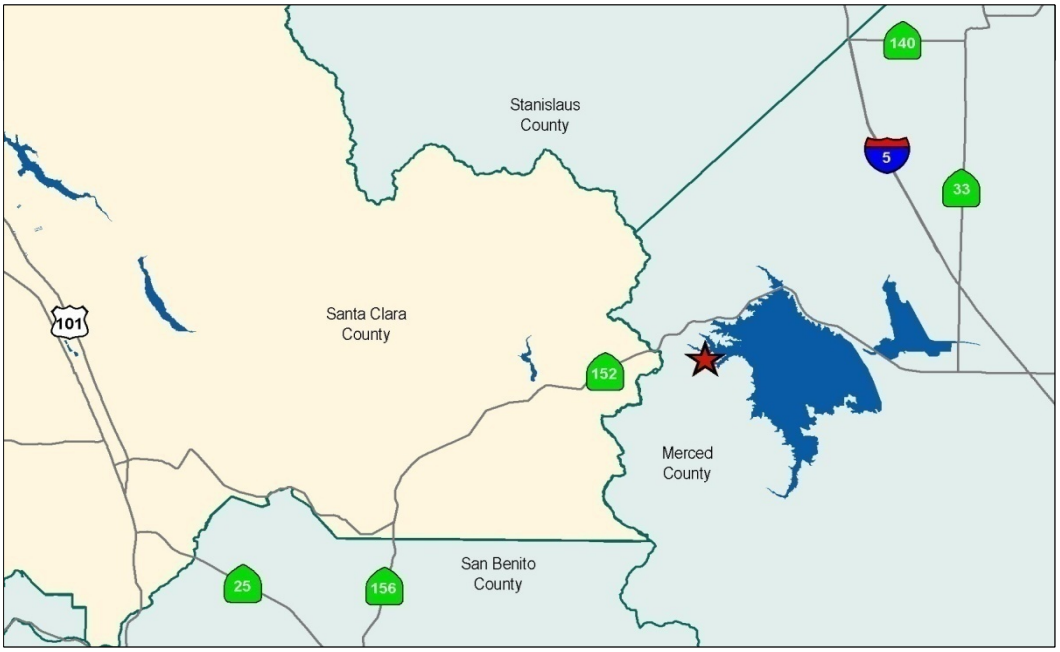
Removing the motor from one of the 12 pumps at Pacheco Pumping Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing adjustable speed drives (ASDs) and ancillary equipment at Pacheco Pumping Plant to accomplish the following objectives:

- Improve plant operation and reliability.
- Reduce operation and maintenance costs.

PROJECT LOCATION



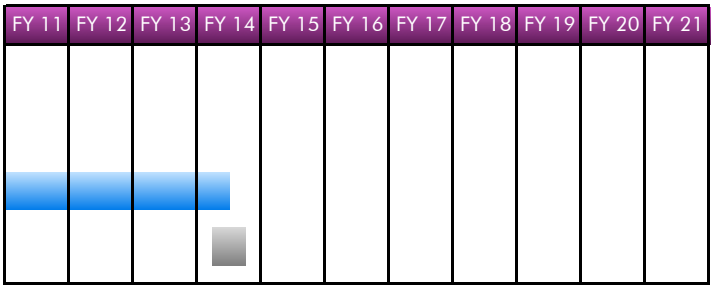
★ Project Location

SCHEDULE & STATUS

July 2003 to February 2014

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	797
Design	1,382
Construct	17,126
Closeout	30
	19,335



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91954001-Pacheco Pumping Plant ASD Replacement	8,324	8,618	1,145	1,008	240	0	0	0	19,335
with inflation	8,324	8,618	1,145	1,070	264	0	0	0	19,422

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91954001-Pacheco Pumping Plant ASD Replacement	10,812	6,606	476	669	1,070	264	0	0	0	19,422

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	15,149
San Benito County Water District	4,273
Total	19,422

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $13,000 beginning in FY 2014 over the first 5 years, as new equipment will require less maintenance.

USEFUL LIFE: 10 – 15 Years

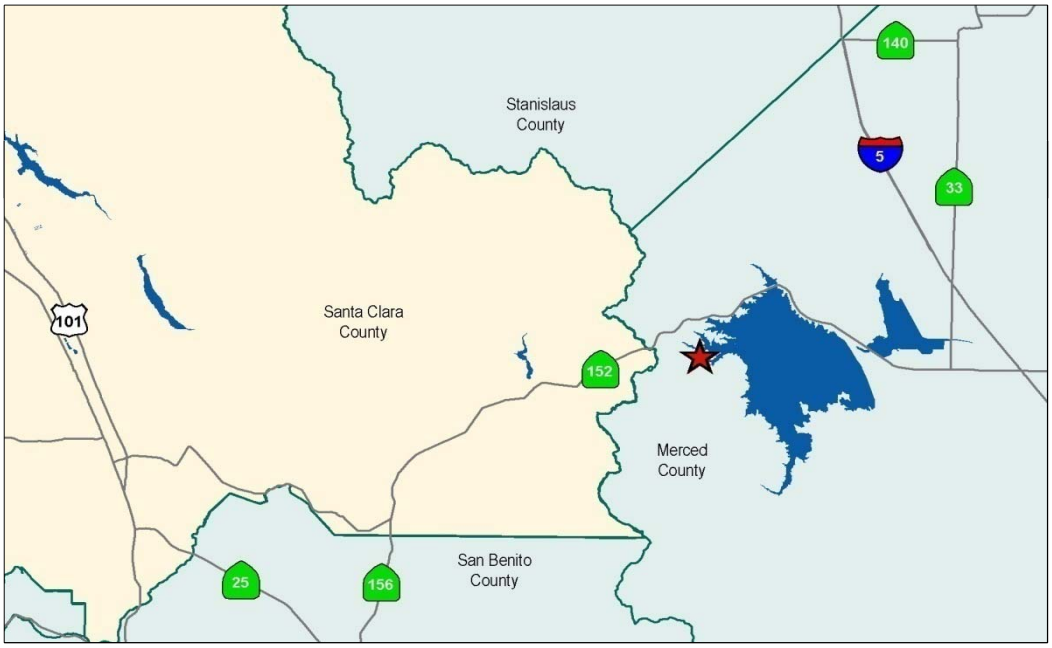
Project	**Pacheco Pumping Plant Regulating Tank Recoating**
Program	Water Supply – Storage
Priority No.	63
Project No.	91214008
District Contact	Katherine Oven koven@valleywater.org

View of the regulating tank and surrounding area

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Pacheco Pumping Plant regulating tank to extend the service life of the tank by at least 15 to 20 years.

PROJECT LOCATION



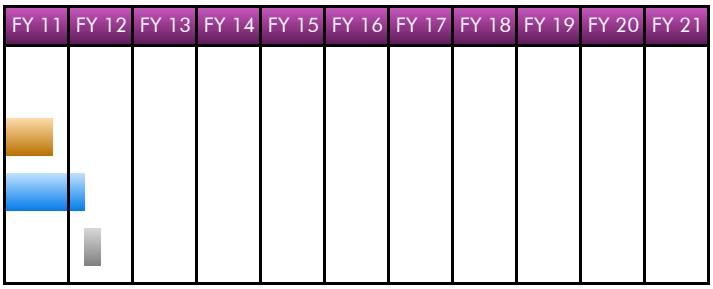
★ Project Location

SCHEDULE & STATUS

January 2008 to November 2011

Planning phase is complete. Design and construction phases overlap, due to the phased approach of managing the project.

Phase	Cost
Plan	257
Design	518
Construct	3,113
Closeout	66
	3,954



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91214008-Pacheco Pumping Plant Regulating Tank Recoating	2,259	797	898	0	0	0	0	0	3,954
with inflation	2,259	797	898	0	0	0	0	0	3,954

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91214008-Pacheco Pumping Plant Regulating Tank Recoating	3,907	20	871	27	0	0	0	0	0	3,954

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,126
San Benito County Water District	828
Total	3,954

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30+ Years

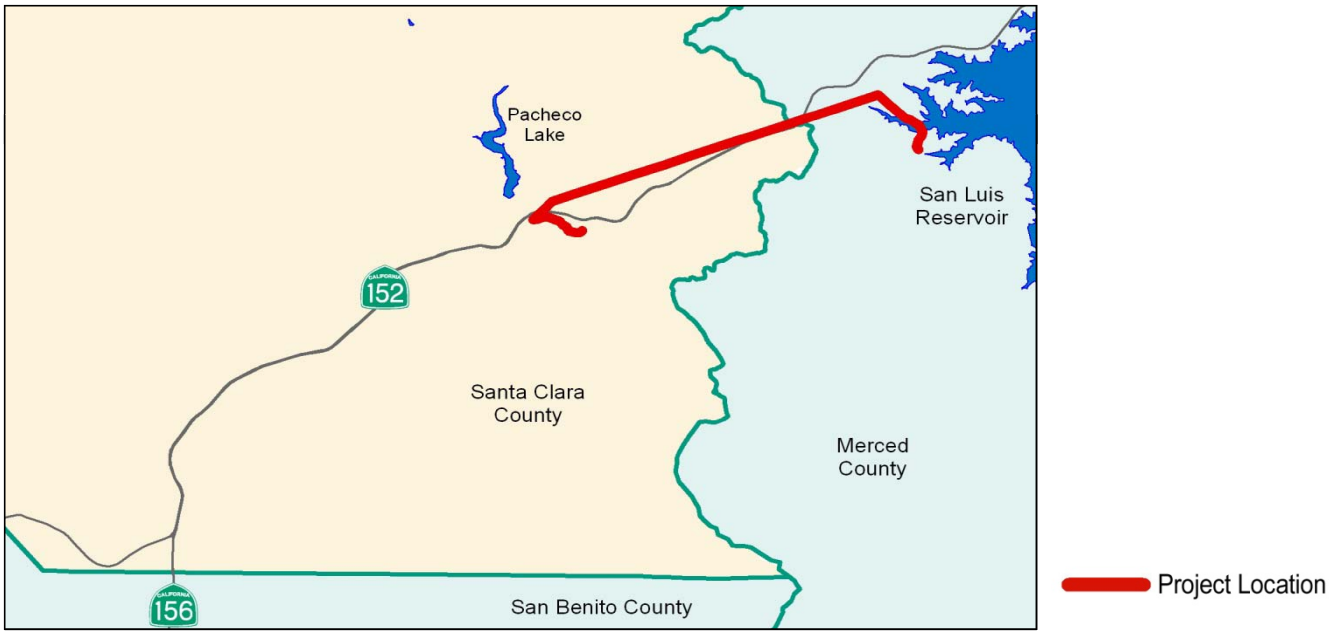
Project	San Felipe Communications Cable Replacement
Program	Water Supply – Storage
Priority No.	72
Project No.	91214009
District Contact	Katherine Oven koven@valleywater.org

Overhead fiber optic cable lines near San Luis Reservoir

PROJECT DESCRIPTION

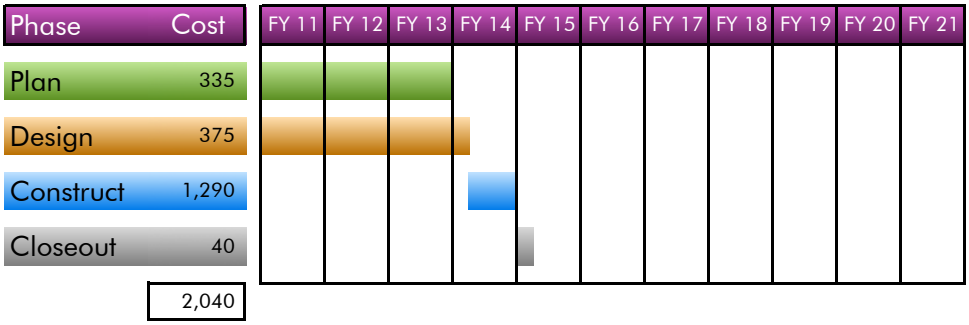
This project plans, designs, and constructs approximately 8 miles of overland fiber optic cable from the Pacheco Pumping Plant at San Luis Reservoir to the west portal of the Pacheco Tunnel, to ensure reliable communications and allow control of Pacheco Pumping Plant from the control center at Rinconada Water Treatment Plant (RWTP).

PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to July 2014



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91214009-San Felipe Communications Cable Replacement	189	105	286	125	1,330	5	0	0	2,040
with inflation	189	105	286	133	1,457	6	0	0	2,175

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91214009-San Felipe Communications Cable Replacement	657	210	573	0	0	1,303	6	0	0	2,175

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,699
San Benito County Water District	476
Total	2,175

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $30,000 per year, beginning in FY 2015. Completion of this project will eliminate the need to repair failures in the fiber optic line.

USEFUL LIFE: 30+ Years

Project	**San Luis Reservoir Low Point Improvement**
Program	Water Supply – Storage
Priority No.	53
Project No.	91214007
District Contact	Sandy Oblonsky soblonsky@valleywater.org

San Luis Reservoir

PROJECT DESCRIPTION

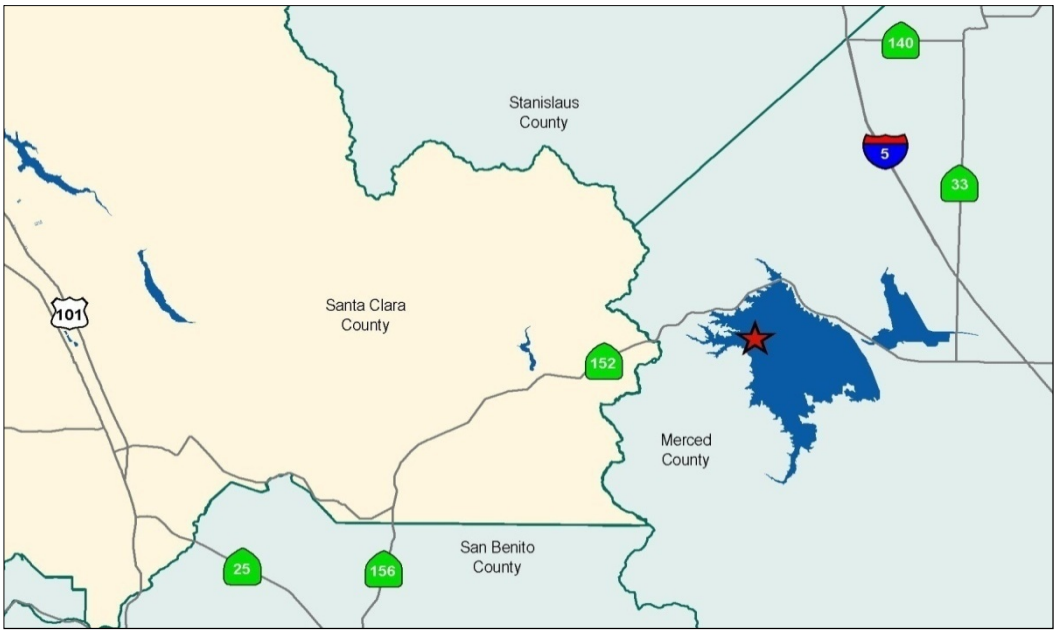
This project is in Federal Feasibility with the U.S. Bureau of Reclamation. The objectives, benefits, scope of work and schedule are determined by the federal process. These are presented in the Federal Appraisal Report and Plan of Study May 2006. The federal feasibility study is anticipated to be completed in 2010. On the basis of the water resources problems identified to date, the following study objectives were developed for this project:

- Increase the certainty of meeting the requested delivery schedule of annual allocations to San Luis Reservoir dependant Central Valley Project (CVP) Contractors.
- To the extent possible, while meeting the first objective, increase the reliability (quality of water available for allocation) of annual allocations to CVP contractors.
- To the extent possible, while meeting the first objective, forecast the final allocation to San Luis Reservoir dependent contractors earlier in the season.

Several additional opportunities may also be available as a result of addressing the above objectives. These include water quality improvements for the San Felipe Division contractors and ecosystem restoration opportunities.

The project is currently funded for federal planning only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2001 to March 2013

(Planning Phase Only)
Planning phase includes some preliminary design activities.

Phase	Cost
Plan	15,126
Design	-
Construct	-
Closeout	-
	15,126

FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91214007-San Luis Reservoir Low Point Improvement	12,056	1,200	1,820	50	0	0	0	0	15,126
with inflation	12,056	1,200	1,820	53	0	0	0	0	15,129

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91214007-San Luis Reservoir Low Point Improvement	15,235	0	1,979	0	0	0	0	0	0	15,235

Project funding exceeds expenditures by approximately $106,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,564
Department of Water Resources	10,625
U.S. Bureau of Reclamation	46
Total	15,235

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

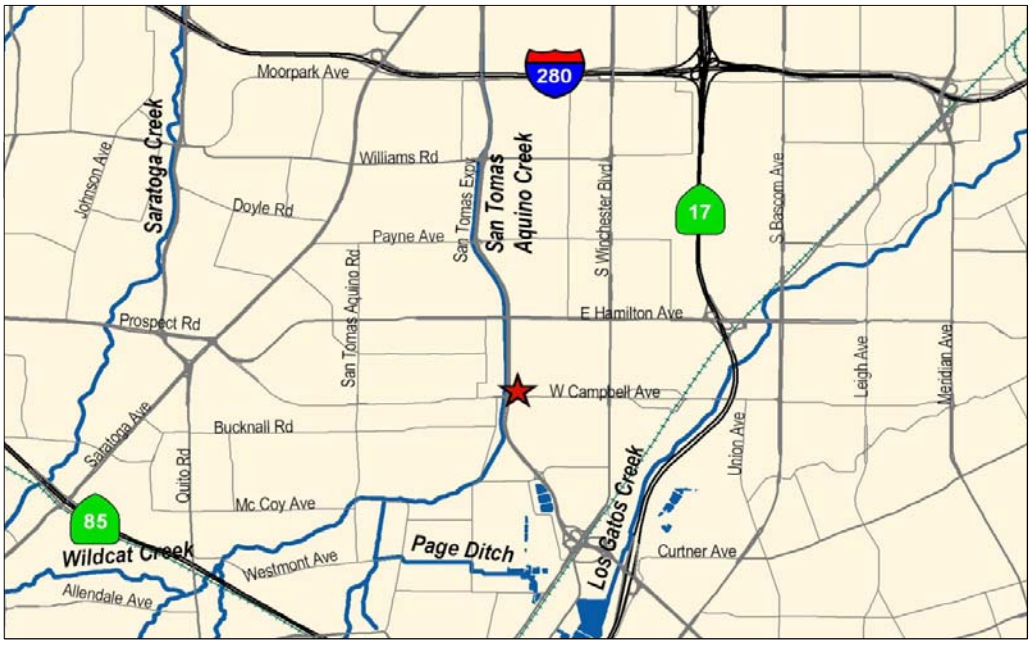
Project	**San Tomas Well Field**
Program	Water Supply – Storage
Priority No.	33
Project No.	91124001
District Contact	Keith Whitman kwhitman@valleywater.org

One of the newly constructed pump station buildings.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Tomas Well Field in the City of Campbell to enhance water supply management by preserving and improving groundwater extraction capacity.

PROJECT LOCATION

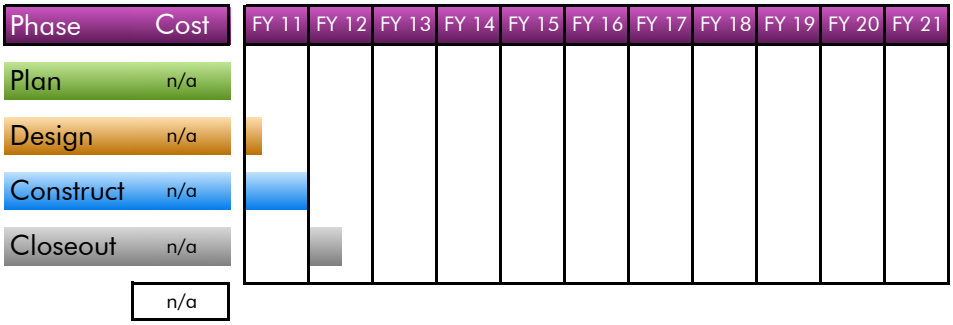


★ Project Location

SCHEDULE & STATUS

September 2003 to December 2011

Planning phase is complete. Design and construction phases overlap due to separate contracts for pump station buildings and utilities.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91124001-San Tomas Well Field	11,696	705	31	0	0	0	0	0	12,432
with inflation	11,696	705	31	0	0	0	0	0	12,432

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91124001-San Tomas Well Field	12,474	0	73	0	0	0	0	0	0	12,474

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding for this project exceeds planned expenditures by approximately $42,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,545
City of Campbell Redevelopment Agency	4,929
Total	12,474

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $255,000 per year, beginning in FY 2012. Increases for operating this new facility include labor, power, chemicals, and maintenance.

USEFUL LIFE: 15+ Years

Project	**Small Capital Improvements, San Felipe**
Program	Water Supply – Storage
Priority No.	66
Project No.	91214010s
District Contact	Keith Whitman kwhitman@valleywater.org

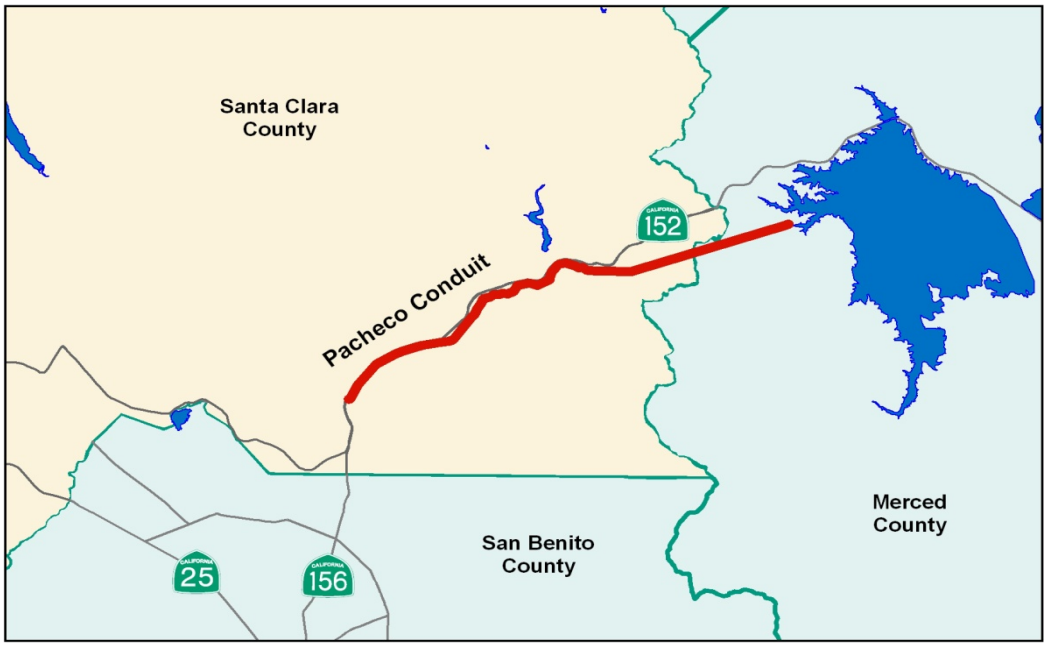
Suction wear ring bacterial corrosion of Impeller. Similar rehabilitation projects will be done in this project.

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the lifetime of an asset. This project implements a systematic approach to equipment replacement and renewal at facilities contained within San Felipe Division by designing and constructing improvements identified through the District's 10-year asset management program. Infrastructure within this project includes tunnels, large diameter pipelines and valve structures, pumps and associated equipment, as well as a large above ground storage tank. The Reach 1 renewal and replacement activities are conducted in coordination and cooperation with San Felipe Division Reach 1 contractors, partner cities, and other agencies. Planned projects for FY 2012 include:

- 91214010–Reach 1: Perform eddy current inspection on Reach 1 from PSV to BIF.
- 91214010–Reach 1: Replace Pacheco Pump Station standby generator.
- 91214010–Reach 1: Rebuild Pacheco Pump #3, replace shafting, and modify/rehab motor for drive replacement.
- 91224010–Reach 2: No Projects Planned.
- 91234010–Reach 3: Replace instrumentation, controls, and adjustable speed drive for Coyote Pumps #1 and #2.
- 91234010–Reach 3: Replace Coyote Pump standby generator.
- 91234010–Reach 3: Install storage equipment and final detail parts for new warehouse.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	23,679

FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91214010-Small Capital Improvements, San Felipe Reach 1	n/a	1,228	996	973	973	973	973	4,865	10,981
with inflation	n/a	1,228	996	1,033	1,071	1,111	1,152	6,433	13,025
91234010-Small Capital Improvements, San Felipe Reach 3	n/a	160	1,407	1,229	1,229	1,229	1,229	6,215	12,698
with inflation	n/a	160	1,407	1,305	1,353	1,403	1,455	8,225	15,309
TOTAL	**0**	**1,388**	**2,403**	**2,202**	**2,202**	**2,202**	**2,202**	**11,080**	**23,679**
with inflation	**0**	**1,388**	**2,403**	**2,338**	**2,425**	**2,515**	**2,608**	**14,658**	**28,334**

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91214010-Small Capital Improvements, San Felipe Reach 1	n/a	1,228	0	996	1,033	1,071	1,111	1,152	6,433	13,025
91234010-Small Capital Improvements, San Felipe Reach 3	n/a	160	0	1,407	1,305	1,353	1,403	1,455	8,225	15,309
TOTAL	**0**	**1,388**	**0**	**2,403**	**2,338**	**2,425**	**2,515**	**2,608**	**14,658**	**28,334**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	25,191
San Benito County Water District	3,142
Total	**28,334**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

Project	**Alamitos Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	72
Project No.	92404003
District Contact	Melanie Richardson mrichardson@valleywater.org

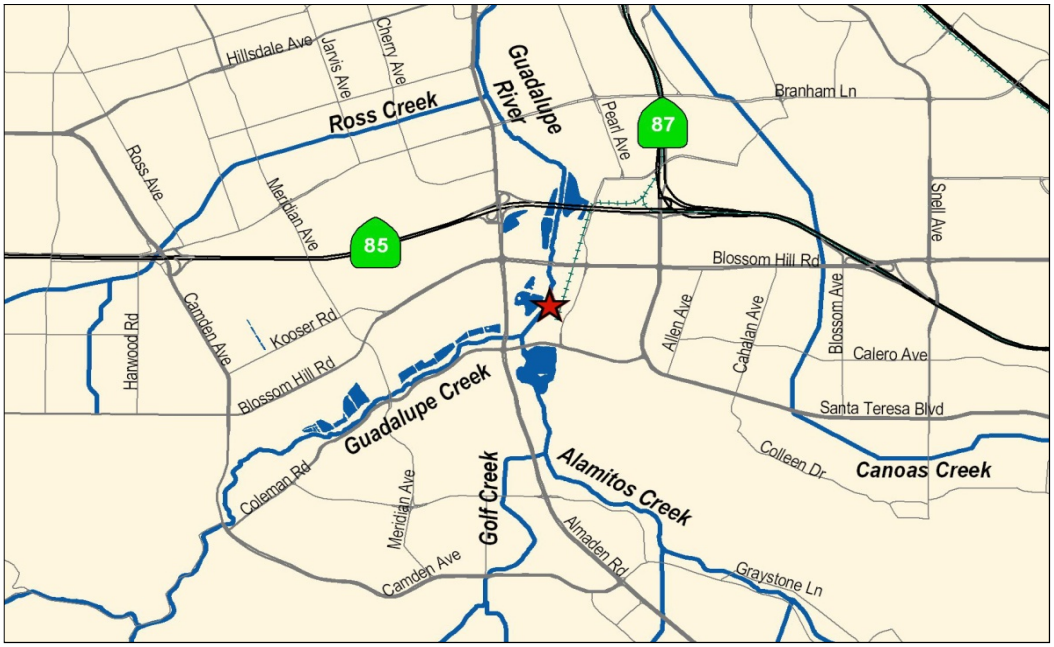
Future location of Alamitos Diversion Dam on Guadalupe River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Alamitos Diversion Dam on the Guadalupe River, about 1,300 feet upstream of Blossom Hill Road in San Jose, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Enhance recreational opportunities.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION



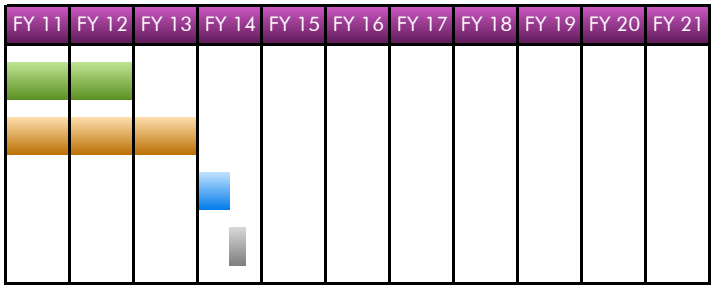
★ Project Location

SCHEDULE & STATUS

August 2006 to January 2014

Planning and Design schedules are extended to coordinate with the Three Creeks Habitat Conservation Plan.

Phase	Cost
Plan	960
Design	228
Construct	1,860
Closeout	15
	3,063



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92404003-Alamitos Diversion Dam Improvements	836	1	291	820	1,115	0	0	0	3,063
with inflation	836	1	291	870	1,222	0	0	0	3,220

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92404003-Alamitos Diversion Dam Improvements	2,962	0	2,125	0	0	258	0	0	0	3,220

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,220
Other Funding Source	0
Total	3,220

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**Almaden-Calero Canal Rehabilitation**
Program	Water Supply – Transmission
Priority No.	36
Project No.	92724001
District Contact	Katherine Oven koven@valleywater.org

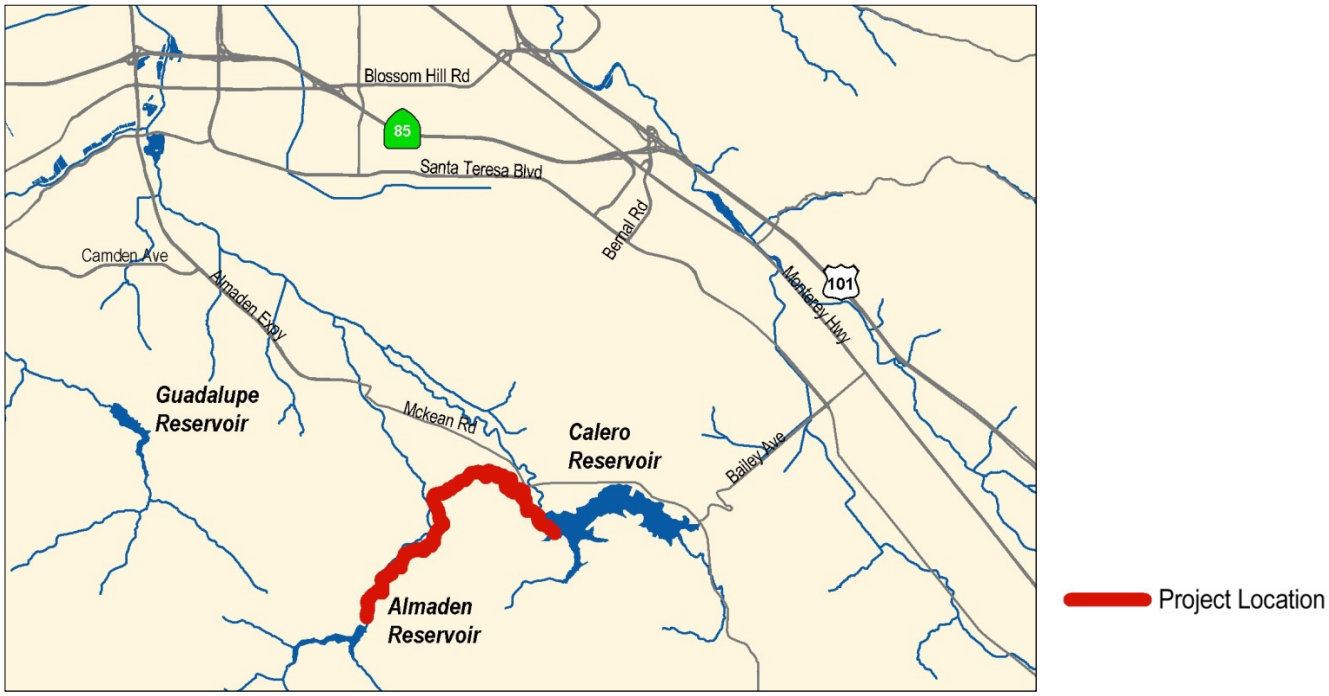
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Almaden-Calero Canal at Calero Reservoir and between siphons #2 and #3 to accomplish the following objectives:

- Restore the Almaden-Calero Canal to its baseline capacity of 120 cfs, while maintaining adequate freeboard.
- Improve maintenance access.
- Mitigate for local landslides.
- Repair leakage and improve drainage at the flume.
- Improve drainage conditions at the catch basin, draining water upstream of siphon #2 to Alamitos Creek.
- Stabilize the maintenance road along Calero Reservoir.

PROJECT LOCATION

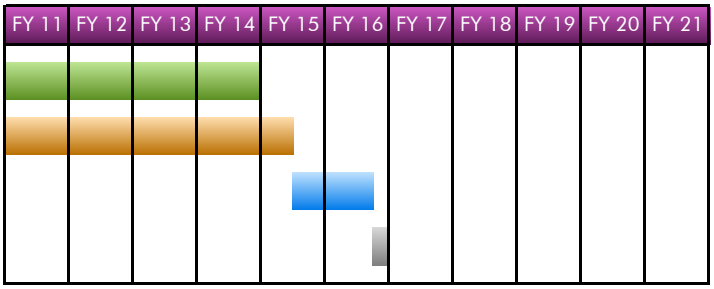


SCHEDULE & STATUS

October 2002 to May 2016

This project has been placed on hold in order to coordinate with the seismic investigation at Almaden Dam.

Phase	Cost
Plan	2,223
Design	969
Construct	5,651
Closeout	50
	8,893



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92724001-Almaden-Calero Canal Rehabilitation	1,456	2	0	635	600	5,100	1,100	0	8,893
with inflation	1,456	2	0	674	661	5,751	1,283	0	9,826

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92724001-Almaden-Calero Canal Rehabilitation	2,589	0	1,131	0	0	204	5,751	1,283	0	9,826

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,826
Other Funding Source	0
Total	9,826

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $10,000 per year, beginning in FY 2017, by minimizing seepage and associated maintenance costs.

USEFUL LIFE: 40 Years

Project	Cathodic Protection of USBR-Owned Pipelines
Program	Water Supply – Transmission
Priority No.	71
Project No.	92C40310
District Contact	Frank Maitski fmaitski@valleywater.org

Anode wells will be installed similar to this installation on a different pipeline.

PROJECT DESCRIPTION

This project plans, designs, and constructs new cathodic protection systems for the Santa Clara and Pacheco Conduits, which are owned by the US Bureau of Reclamation (USBR) and operated and maintained by the district through an agreement. This project will determine if the Pacheco and Santa Clara Conduits have experienced corrosion-related damage/deterioration, evaluate measures to provide adequate corrosion protection of the pipelines and, based on the outcome of the evaluation, install identified corrosion protection measure(s) as required to accomplish the following objectives:

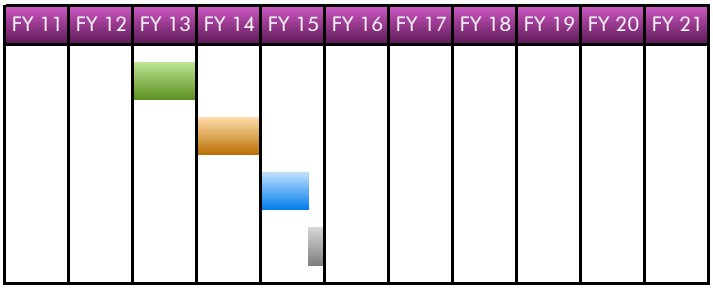
- Extend the life of District pipeline assets.
- Reduce life-cycle costs.
- Reduce unplanned service interruptions.

PROJECT LOCATION

SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	502
Design	384
Construct	3,356
Closeout	51
	4,293



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92C40310-Cathodic Protection of USBR-Owned Pipelines	0	0	0	461	425	3,407	0	0	4,293
with inflation	0	0	0	489	468	3,840	0	0	4,798

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92C40310-Cathodic Protection of USBR-Owned Pipelines	0	0	0	0	489	468	3,840	0	0	4,798

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,798
Other Funding Source	0
Total	4,798

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 25+ Years

Project	**Coyote Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	72
Project No.	92484003
District Contact	Melanie Richardson mrichardson@valleywater.org

Steel Percolation Dam on Coyote Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Coyote Steel Percolation Dam located on Coyote Creek, about 2,000 feet downstream of Metcalf Road, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety associated with the removal and installation of the dam.
- Streamline flood prevention and operating procedures for removal and installation of the dam.

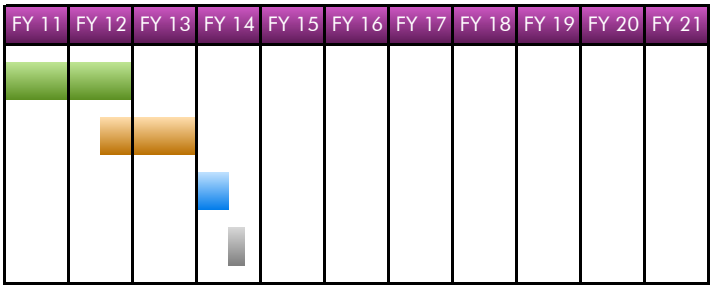
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2007 to January 2014

Phase	Cost
Plan	332
Design	160
Construct	1,805
Closeout	15
	2,312



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92484003-Coyote Diversion Dam Improvements	319	1	122	800	1,070	0	0	0	2,312
with inflation	319	1	122	849	1,172	0	0	0	2,463

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92484003-Coyote Diversion Dam Improvements	709	0	389	0	582	1,172	0	0	0	2,463

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,463
Other Funding Source	0
Total	2,463

OPERATING COST IMPACTS

Operating cost impacts are anticipated an will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**East Pipeline Rehabilitation**
Program	Water Supply – Transmission
Priority No.	56
Project No.	94344006
District Contact	Frank Maitski fmaitski@valleywater.org

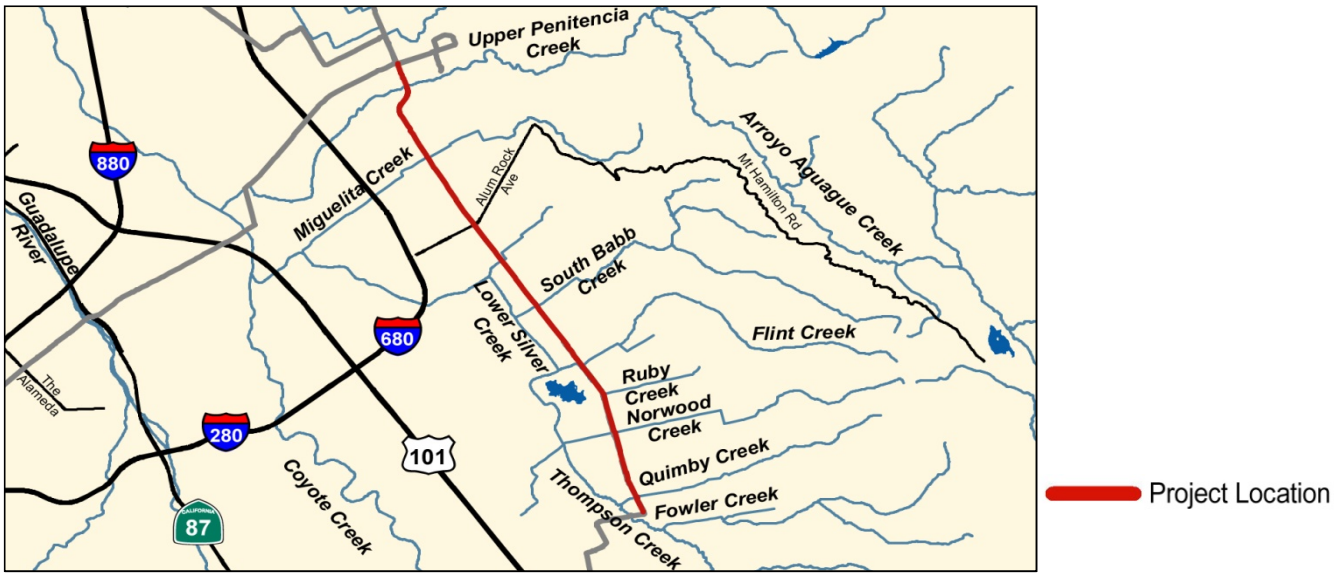
The Ocala Line Valve will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs major repairs and improvements on all the approximately 6.4 miles of East Pipeline from the Aborn Turnout to the Milpitas Pipeline, extending through the east side of the City of San Jose, to accomplish the following objectives:

- Improve reliability and operation of the pipeline and extend the pipeline's life.
- Reduce health and safety risks for staff and the public.
- Reduce costly emergency repairs.
- Comply with new regulations by the California Department of Public Health.

PROJECT LOCATION

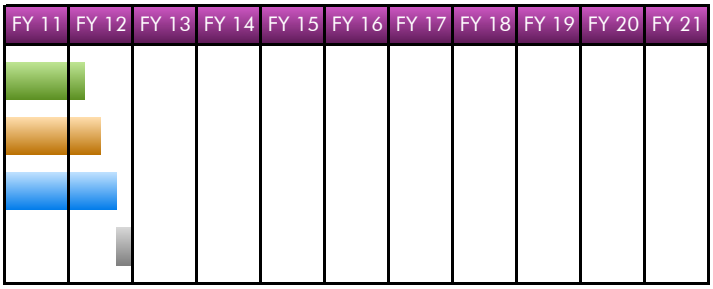


SCHEDULE & STATUS

July 2009 to June 2012

Planning, Design and Construction overlap due to a 3-phase approach to managing the project.

Phase	Cost
Plan	152
Design	1,345
Construct	2,137
Closeout	21
	3,655



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
94344006-East Pipeline Rehabilitation	1,630	1,295	730	0	0	0	0	0	3,655
with inflation	1,630	1,295	730	0	0	0	0	0	3,655

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
94344006-East Pipeline Rehabilitation	1,512	1,415	2	728	0	0	0	0	0	3,655

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,655
Other Funding Source	0
Total	3,655

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years

Project	IRP2 Additional Line Valves
Program	Water Supply – Transmission
Priority No.	40
Project No.	94C40220
District Contact	Sandy Oblonsky soblonsky@valleywater.org

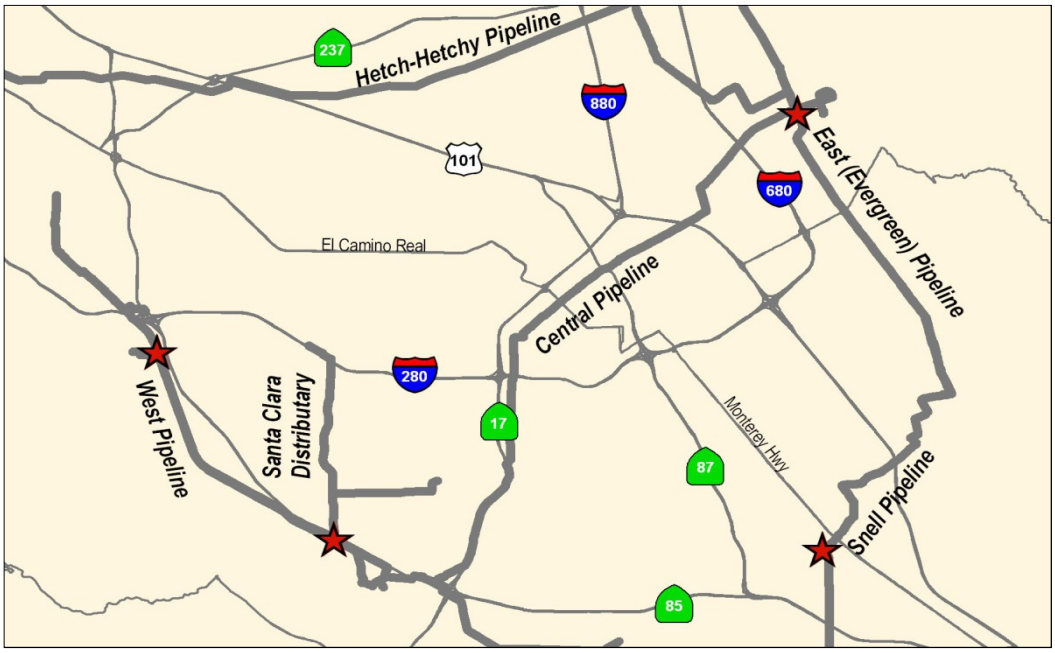
New line valves, actuators, and vaults similar to this will be installed along the East, West, and Snell pipelines

PROJECT DESCRIPTION

This project plans, designs, and constructs four additional line valves in the treated water distribution system, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2). The new line valves will be at various locations along the East, West, and Snell pipeline to accomplish the following objectives:

- Allow the district to isolate sections of the treated water pipeline to prevent water from bleeding out damaged sections following a major seismic event.
- Allow the network of emergency wells to operate, even when there is damage upstream and downstream of individual wells.

PROJECT LOCATION

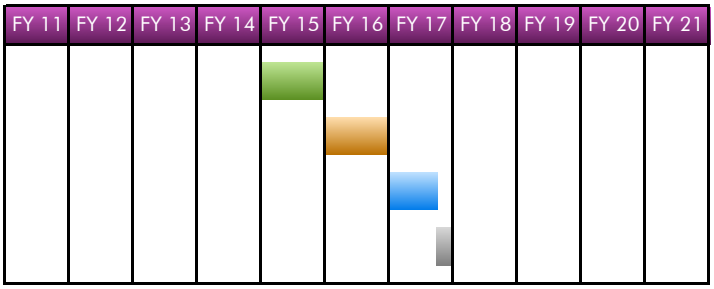


★ Project Location

SCHEDULE & STATUS

July 2014 to June 2017

Phase	Cost
Plan	631
Design	757
Construct	5,645
Closeout	102
	7,135



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
94C40220-IRP2 Additional Line Valves	0	0	0	0	0	631	757	5,747	7,135
with inflation	0	0	0	0	0	693	853	6,815	8,361

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
94C40220-IRP2 Additional Line Valves	0	0	0	0	0	0	693	853	6,815	8,361

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,361
Other Funding Source	0
Total	8,361

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not signifiantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35 Years

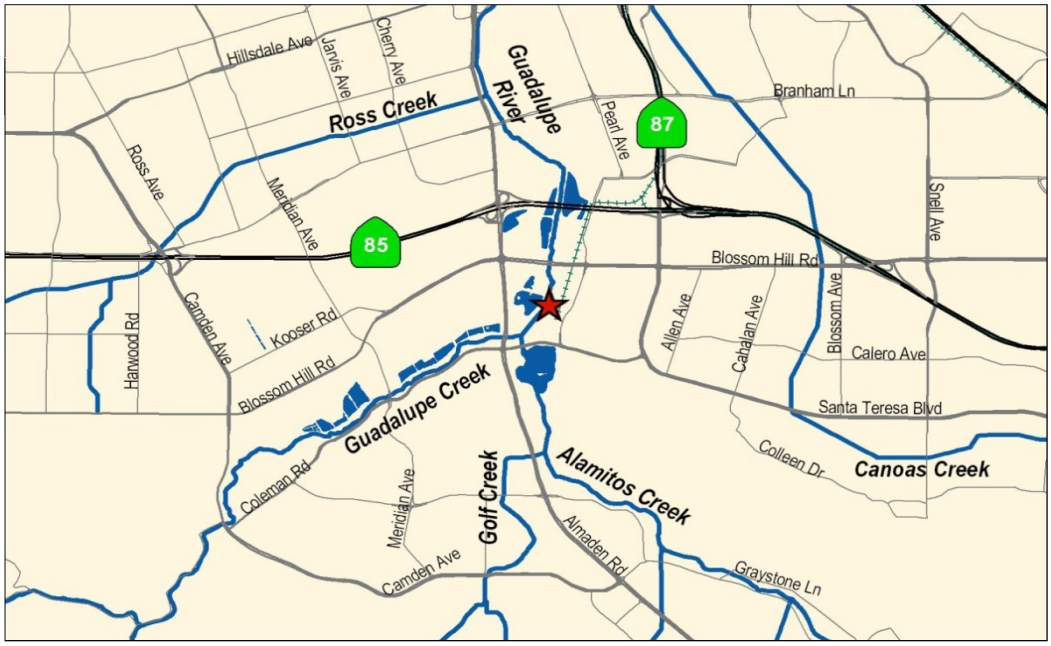
Project	**IRP2 Backup Raw Water Control Center at Almaden**
Program	Water Supply – Transmission
Priority No.	27
Project No.	92374005
District Contact	Katherine Oven koven@valleywater.org

Raw water SCADA operations control room at RWTP.
A satellite control room will be constructed at Almaden.

PROJECT DESCRIPTION

This project plans, designs, and constructs a raw water Supervisory Control and Data Acquisition (SCADA) system at the Almaden Campus, supporting the main system which is remotely located at Rinconada Water Treatment Plant (RWTP), as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to provide a backup location for the raw water SCADA system.

PROJECT LOCATION

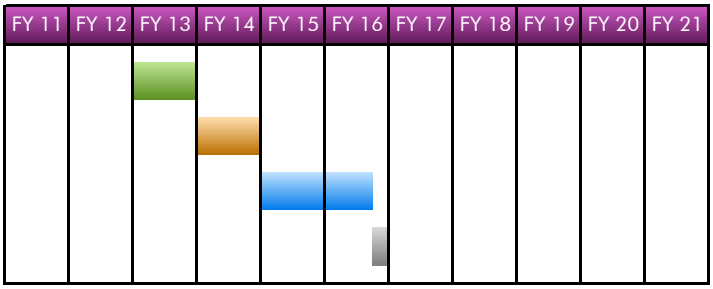


★ Project Location

SCHEDULE & STATUS

July 2013 to June 2016

Phase	Cost
Plan	36
Design	115
Construct	1,255
Closeout	11
	1,417



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92C40207-IRP2 Backup Raw Water Control Center at Almaden	0	0	0	36	115	714	552	0	1,417
with inflation	0	0	0	38	127	805	642	0	1,613

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92C40207-IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	38	127	805	642	0	1,613

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,613
Other Funding Source	0
Total	1,613

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $40,000 per year, beginning in FY 2017, to have an operator exercise the control room once or twice a month and operational support from control technicians and SCADA engineers.

USEFUL LIFE: 10 Years

Project	**Kirk Diversion Dam and Fish Screen Improvements**
Program	Water Supply – Transmission
Priority No.	72
Project No.	92534003
District Contact	Melanie Richardson mrichardson@valleywater.org

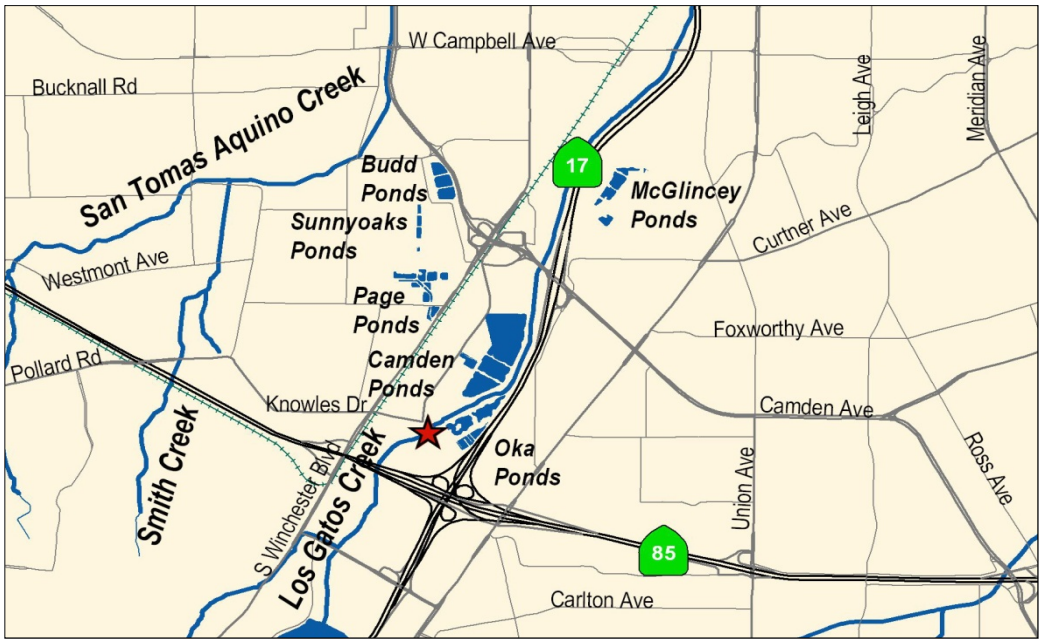
Kirk Dam on Los Gatos Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Kirk Diversion Dam on Los Gatos Creek approximately 4,000 feet downstream of Lark Avenue, adjacent to the intersection of Knowles Drive and Dell Avenue, to accomplish the following objectives:

- Preserve existing water rights.
- Reduce flood risk, because the existing flashboard system cannot be removed during storm events or emergencies.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Reduce entrainment of aquatic life forms into the Kirk and Page Ditches.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION

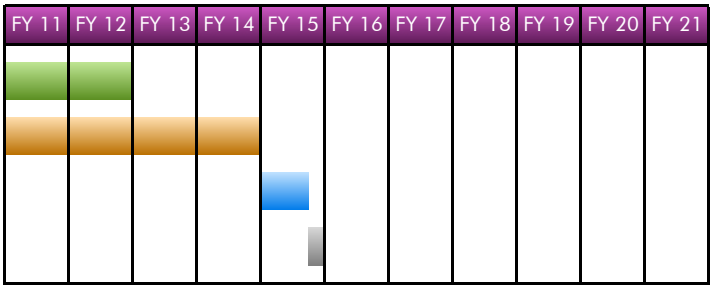


★ Project Location

SCHEDULE & STATUS

May 2007 to June 2015

Phase	Cost
Plan	765
Design	882
Construct	2,970
Closeout	24
	4,641



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92534003-Kirk Diversion Dam and Fish Screen Improvements	675	273	210	636	2,348	499	0	0	4,641
with inflation	675	273	210	675	2,568	570	0	0	4,971

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92534003-Kirk Diversion Dam and Fish Screen Improvements	3,196	0	2,248	0	0	1,205	570	0	0	4,971

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,971
Other Funding Source	0
Total	4,971

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	Main & Madrone Pipelines Restoration
Program	Water Supply – Transmission
Priority No.	81
Project No.	92564002
District Contact	Katherine Oven koven@valleywater.org

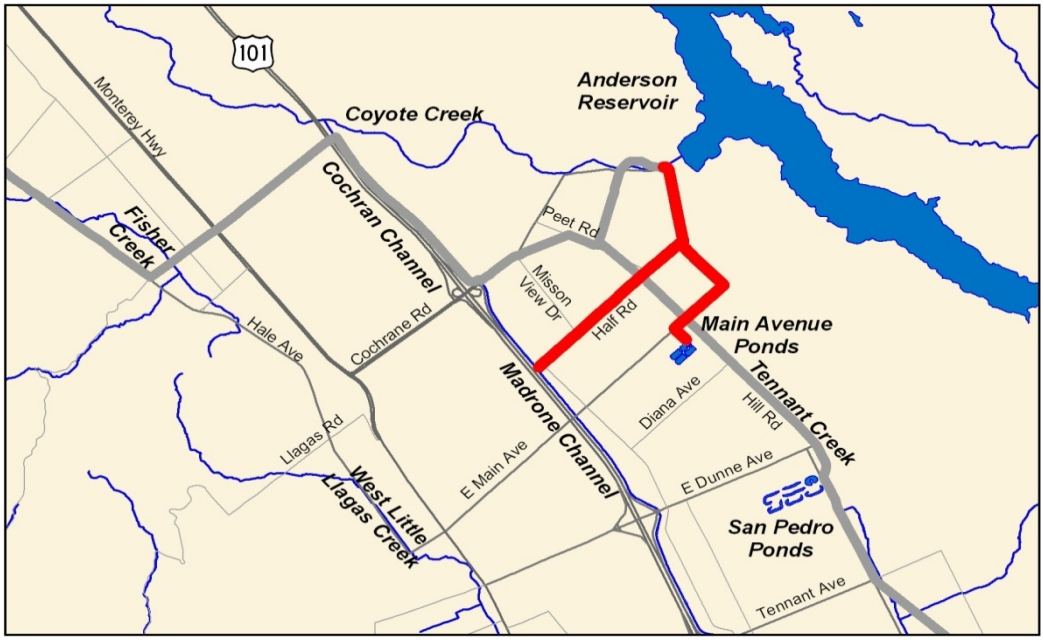
Looking west along East Main Avenue, the Main Avenue Pipeline runs under the shoulder of the road.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on the full length of the Madrone Pipeline and rehabilitates the Main Avenue Pipeline to accomplish the following objectives:

- Provide the means to utilize another reliable water source, (e.g. Anderson Reservoir) to supply water to the Main Avenue Ponds and the Madrone Channel.
- Allow for greater flows to the Main Avenue Ponds and the Madrone Channel.
- Maximize imported water flows to the treatment plants.

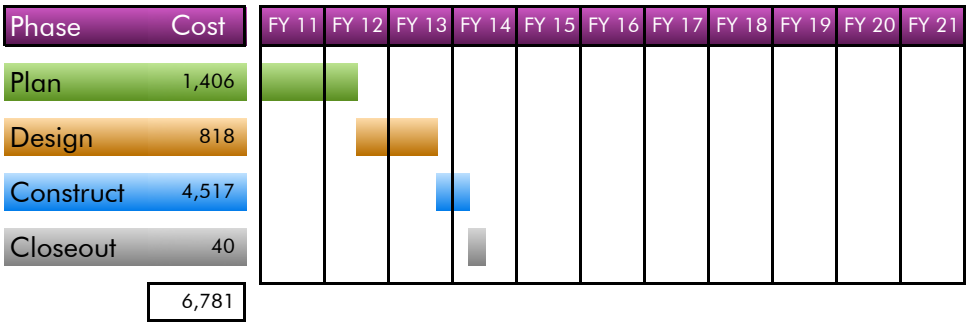
PROJECT LOCATION



Project Location

SCHEDULE & STATUS

January 2008 to December 2013



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92564002-Main & Madrone Pipelines Restoration	956	420	543	4,522	340	0	0	0	6,781
with inflation	956	420	543	4,798	374	0	0	0	7,092

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92564002-Main & Madrone Pipelines Restoration	4,043	1,905	4,572	0	769	374	0	0	0	7,092

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,092
Other Funding Source	0
Total	7,092

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as it does not significantly alter the facility or modes of operation.

USEFUL LIFE: 40 Years

Project	Penitencia Fish Facilities Modifications
Program	Water Supply – Transmission
Priority No.	38
Project No.	92614004
District Contact	Melanie Richardson mrichardson@valleywater.org

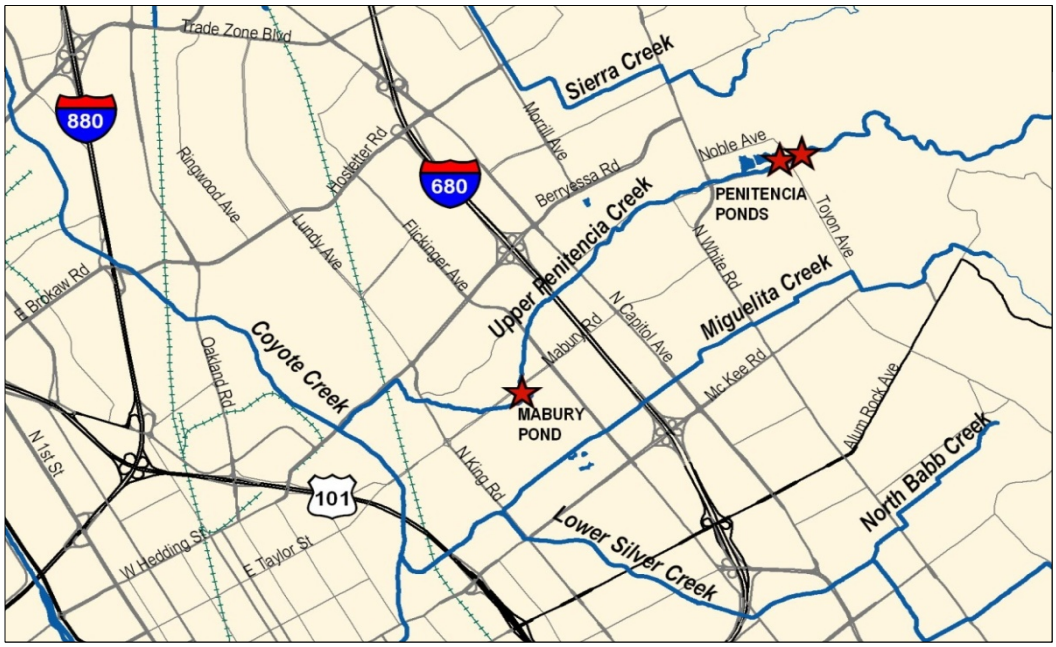
Noble Diversion and fish ladder on Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Penitencia Creek at the fish facilities located near the Robert W. Gross Ponds, Noble Avenue Diversion, and Mabury Diversion to accomplish the following objectives:

- Prevent exotic species that populate the Robert W. Gross Ponds from being introduced into Penitencia Creek.
- Develop water supplies and exercise water rights on Upper Penitencia Creek at the Noble Avenue and Mabury Diversions.

PROJECT LOCATION

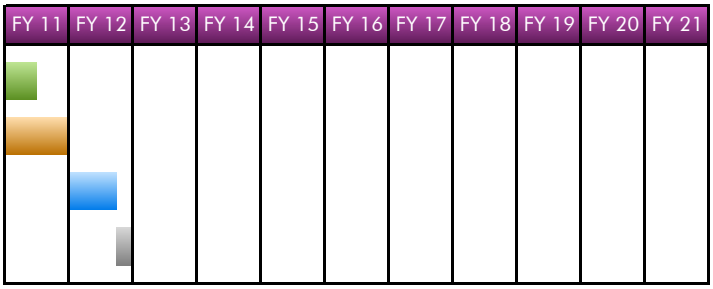


★ Project Location

SCHEDULE & STATUS

July 2009 to June 2012

Phase	Cost
Plan	226
Design	190
Construct	564
Closeout	10
	990



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92614004-Penitencia Fish Facilities Modifications	210	299	481	0	0	0	0	0	990
with inflation	210	299	481	0	0	0	0	0	990

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92614004-Penitencia Fish Facilities Modifications	276	238	5	476	0	0	0	0	0	990

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	990
Other Funding Source	0
Total	990

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year, beginning in FY 2013. The possible abandonment of the Mabury diversion would put the water to a more beneficial use and save on labor to operate the diversion and existing fish screens at that location.

USEFUL LIFE: 20 Years

Project	**Pipeline Hydraulic Reliability Upgrades**
Program	Water Supply – Transmission
Priority No.	21
Project No.	95144001
District Contact	Frank Maitski fmaitski@valleywater.org

Telemetry will be added to agricultural turnouts such as these so that flow can be monitored remotely and the hydraulic performance of the pipeline improved.

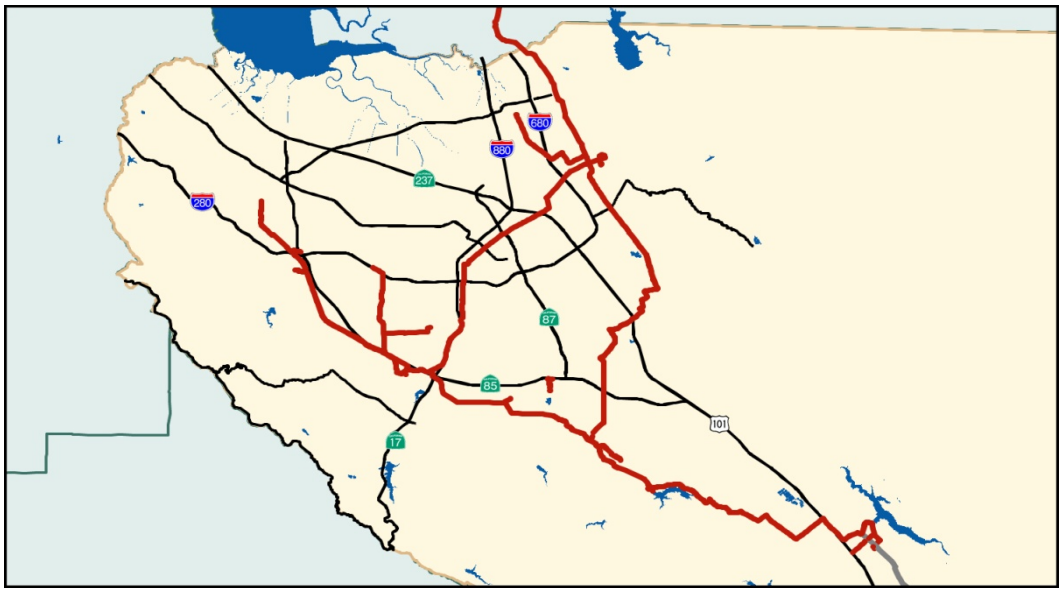
PROJECT DESCRIPTION

This project plans, designs and constructs improvements along 142 miles of treated and raw water pipelines to accomplish the following objectives:

- Ensure hydraulic reliability of the pipelines.
- Upgrade the District's hydraulic model.
- Develop a GIS coverage of pipelines and use these tools to plan improvements.

This project is currently funded for model building and the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION



Project Location

SCHEDULE & STATUS

July 2010 to June 2012

(Planning Phase Only)

Phase	Cost	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Plan	275											
Design	-											
Construct	-											
Closeout	-											
	275											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
95144001-Pipeline Hydraulic Reliability Upgrades	0	136	139	0	0	0	0	0	275
with inflation	0	136	139	0	0	0	0	0	275

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
95144001-Pipeline Hydraulic Reliability Upgrades	0	136	0	139	0	0	0	0	0	275

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	275
Other Funding Source	0
Total	275

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Small Capital Improvements, Raw Water Transmission**
Program	Water Supply – Transmission
Priority No.	72
Project No.	92764009
District Contact	Sandy Oblonsky soblonsky@valleywater.org

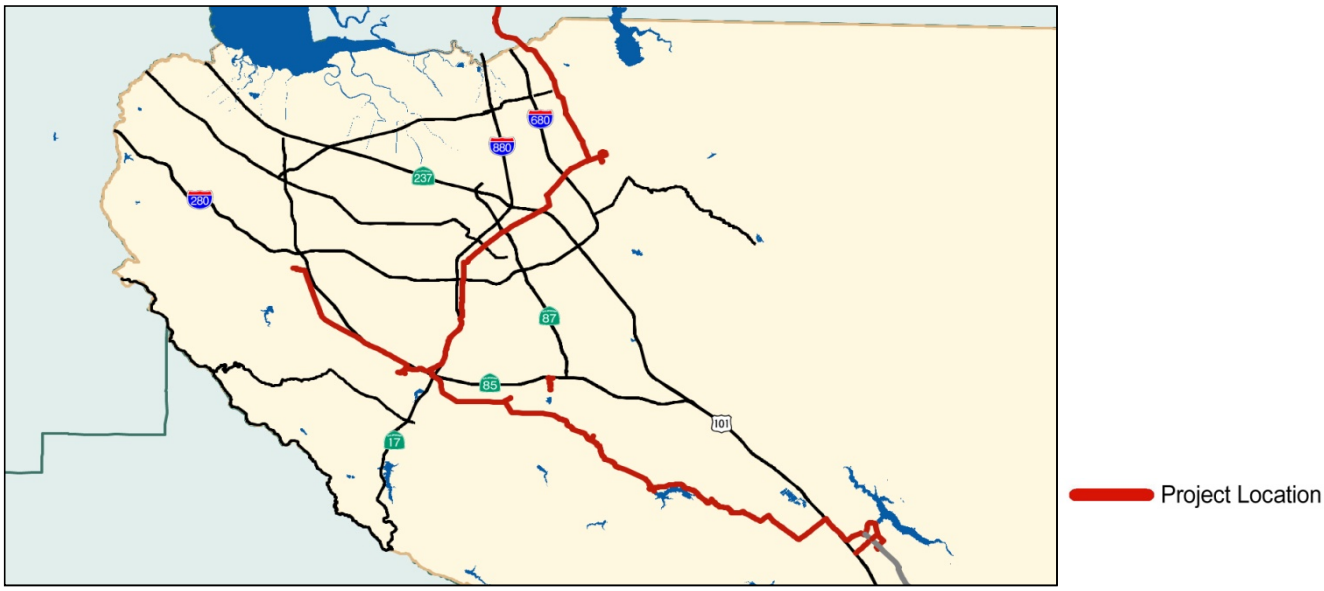
Major repair and replacement of turnout roofs and similar small raw water capital projects will be done, per the asset management plan.

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the lifetime of an asset. This project will repair or rehabilitate various existing raw water distribution facilities. These activities include identifying and fixing corrosion problems, replacing valves and other appurtenances and modifying water recharge facilities to avoid failure of the raw water transmission system and extend the life of the infrastructure. This project is part of the District's 10-year asset management program. Planned projects for FY 2012 include:

- Replace the turnout valve at the 30" Polyjet Vault (Station 201+50).
- Inspect the wall settlement at the Hamilton Avenue VTA facility.
- Perform internal inspection and weld repair at Hwy 87, Piedmont Yard to Guadalupe.
- Replace the expansion joint at the Penitencia Force Main.
- Replace the expansion joint at the South Bay Aqueduct.
- Repair the insulating joints at Central Pipeline.
- Add cathodic protection to 8.8 miles of Cross Valley Pipeline from Coyote Pumping Plant to Calero.

PROJECT LOCATION



SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92764009-Small Capital Improvements, Raw Water Transmission	n/a	800	1,079	1,179	1,129	1,129	1,129	5,645	12,090
with inflation	n/a	800	1,079	1,252	1,228	1,257	1,287	6,915	13,818

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92764009-Small Capital Improvements, Raw Water Transmission	n/a	800	0	1,079	1,252	1,228	1,257	1,287	6,915	13,818

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,818
Other Funding Source	0
Total	13,818

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

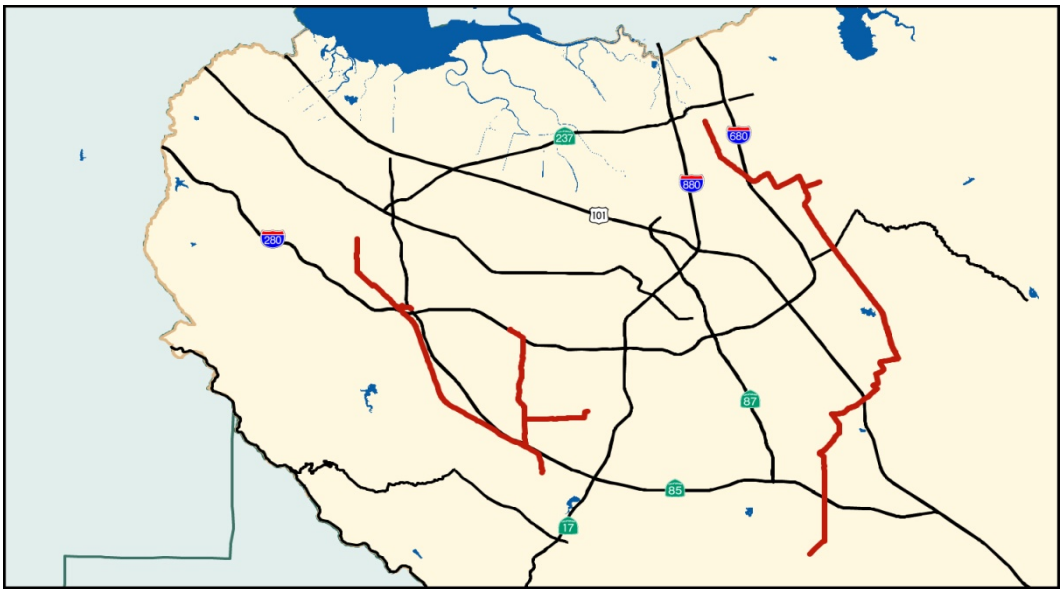
Project	Small Capital Improvements, Treated Water Transmission
Program	Water Supply – Transmission
Priority No.	65
Project No.	94764006
District Contact	Sandy Oblonsky soblonsky@valleywater.org

Small Capital projects at treated water transmission facilities, similar to this new valve installation in the Piedmont Line Valve Vault, will be done, per the asset management plan.

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the lifetime of an asset. This project will repair or rehabilitate various existing treated water distribution facilities, such as identifying and treating corrosion problems, replacing valves and other appurtenances and repairing or adding turnouts to avoid failure of the treated water transmission system and to extend the life of the infrastructure. This project is part of the District's 10-year asset management program. There are no projects planned for FY 2012.

PROJECT LOCATION



Project Location

SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
94764006-Small Capital Improvements, Treated Water Transmission	n/a	0	0	1,436	993	352	373	2,476	5,630
with inflation	n/a	0	0	1,506	1,067	387	420	2,905	6,284

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
94764006-Small Capital Improvements, Treated Water Transmission	n/a	0	0	0	1,506	1,067	387	420	2,905	6,284

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,284
Other Funding Source	0
Total	6,284

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**South County Pipeline Right of Way Acquisition**
Program	Water Supply – Transmission
Priority No.	60
Project No.	92144001
District Contact	Katherine Oven koven@valleywater.org

Access to much of the San Felipe Division pipelines must currently be made through private property, due to a lack of easements, such as Bloomfield access at Vault 21-23.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements related to the acquisition of right of way along the South County Pipeline to accomplish the following objectives:

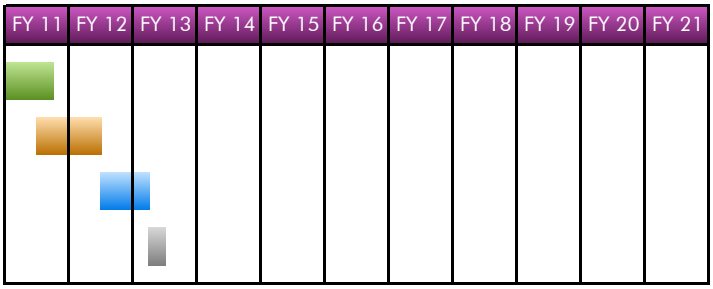
- Provide unlimited access to District owned pipeline.
- Reduce conflicts with local land owners and improve response time for emergency repairs or operations.

PROJECT LOCATION

SCHEDULE & STATUS

July 2009 to December 2012

Phase	Cost
Plan	253
Design	195
Construct	1,425
Closeout	35
	1,908



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92144001-South County Pipeline Right of Way Acquisition	8	343	502	1,055	0	0	0	0	1,908
with inflation	8	343	502	1,120	0	0	0	0	1,973

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92144001-South County Pipeline Right of Way Acquisition	174	192	15	487	1,120	0	0	0	0	1,973

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,973
Other Funding Source	0
Total	1,973

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $8,000 per year, beginning in FY 2013, for vegetation control and/or maintenance of fences, gates and locks for the access roads.

USEFUL LIFE: 15-20 Years

Project	Stevens Creek Supplemental Water
Program	Water Supply – Transmission
Priority No.	69
Project No.	92764010
District Contact	Katherine Oven koven@valleywater.org

Stevens Creek Pipeline intersects Vasona Canal near Pollard Road and Highway 85.

PROJECT DESCRIPTION

This project plans, designs, and constructs a bidirectional raw water pipeline to connect the Stevens Creek Reservoir to the Stevens Creek Pipeline, to accomplish the following objectives:

- Provide supplemental raw water to Stevens Creek below the reservoir should the reservoir require dewatering.
- Convey water from Stevens Creek Reservoir to existing turnouts along the Stevens Creek Pipeline.

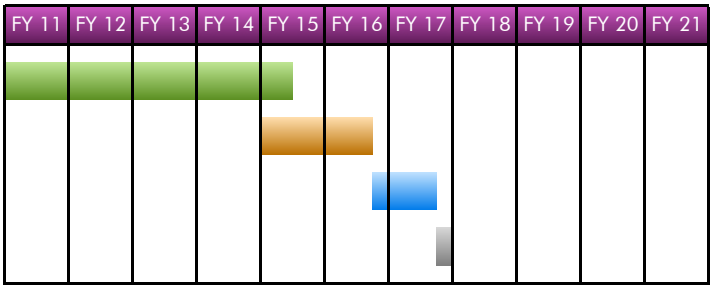
PROJECT LOCATION

SCHEDULE & STATUS

July 2010 to June 2015

This project is on hold and scheduled to resume work in FY 2013 to coordinate with the Habitat Conservation Plan and seismic evaluation of the Stevens Creek Dam.

Phase	Cost
Plan	1,693
Design	2,500
Construct	23,300
Closeout	100
	27,593



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92764010-Stevens Creek Supplemental Water	40	25	0	428	1,100	1,900	23,200	900	27,593
with inflation	40	25	0	454	1,211	2,170	26,925	1,105	31,931

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92764010-Stevens Creek Supplemental Water	122	316	373	0	81	1,211	2,170	26,925	1,105	31,931

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	31,931
Other Funding Source	0
Total	31,931

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**IRP2 Seismic Study and Retrofit of WTP Operations Buildings**
Program	Water Supply – Treatment
Priority No.	70
Project No.	93764003
District Contact	Katherine Oven koven@valleywater.org

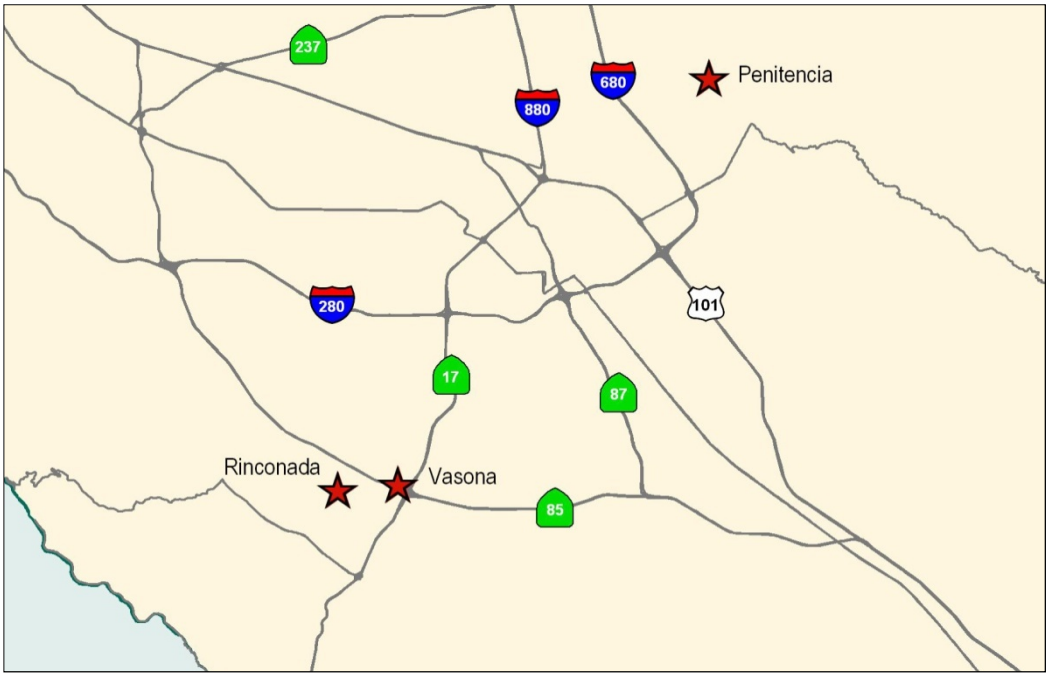
The RWTP control building is one of four buildings that will be studied and possibly retrofitted to meet safety requirements

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements, including possible seismic retrofitting of two water treatment plant operations buildings and two buildings at the Vasona Pump Station that were built prior to 1980, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to ensure a healthy and safe work environment for employees and provide for continued functionality of these critical facilities after a major earthquake.

In addition, this Project will consider some non-structural elements of the Rinconada Water Treatment Plant (RWTP) Control Building, such as space reallocation, ADA improvements, and HVAC system rehabilitation.

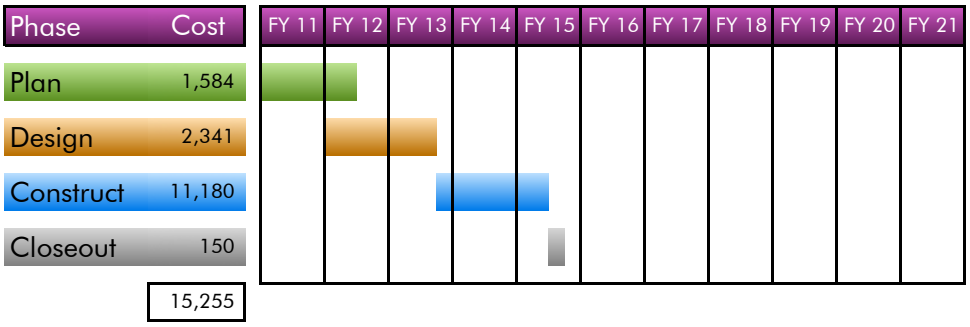
PROJECT LOCATION



Project Location

SCHEDULE & STATUS

January 2008 to March 2015



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93764003-IRP2 Seismic Study and Retrofit of WTP Operations Buildings	1,042	290	1,763	6,565	3,170	2,425	0	0	15,255
with inflation	1,042	290	1,763	6,966	3,469	2,736	0	0	16,266

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93764003-IRP2 Seismic Study and Retrofit of WTP Operations Buildings	4,314	0	2,982	0	5,747	3,469	2,736	0	0	16,266

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	16,266
Other Funding Source	0
Total	16,266

OPERATING COST IMPACTS

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not alter the existing modes of operation. However, seismic retrofit will reduce or avoid structural damages and reduce the cost of post-earthquake repairs.

USEFUL LIFE: 50+ Years

Project	**IRP2 Well Fields**
Program	Water Supply – Treatment
Priority No.	30
Project No.	93504001
District Contact	Katherine Oven koven@valleywater.org

The District will work collaboratively with retailers to optimize well locations like this one and identify cost savings.

PROJECT DESCRIPTION

This project plans, designs, and constructs approximately 20 new wells, with an anticipated capacity of 1500 gpm each, near District transmission mains and retailer turnouts on the East and West sides of the District's distribution system to accomplish the following objectives:

- provide reliable emergency supply to retailers following a catastrophic event.
- provide up to 80 MGD (40 MGD on the East Side and 40 MGD on the West Side) of emergency supply (not new supply).

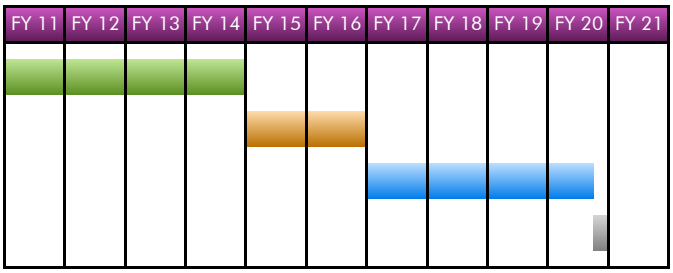
PROJECT LOCATION

No project map is provided. Sites are not provided for security reasons.

SCHEDULE & STATUS

July 2010 to June 2020

Phase	Cost
Plan	5,908
Design	10,154
Construct	47,710
Closeout	600
	64,372



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93504001-IRP2 Well Fields	0	79	157	243	5,429	5,077	5,077	48,310	64,372
with inflation	0	79	157	258	5,978	5,798	6,012	59,560	77,842

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93504001-IRP2 Well Fields	0	79	0	157	258	5,978	5,798	6,012	59,560	77,842

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	77,842
Other Funding Source	0
Total	77,842

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**PWTP Ammonia System Relocation and Upgrades**
Program	Water Supply – Treatment
Priority No.	64
Project No.	93C40275
District Contact	Katherine Oven koven@valleywater.org

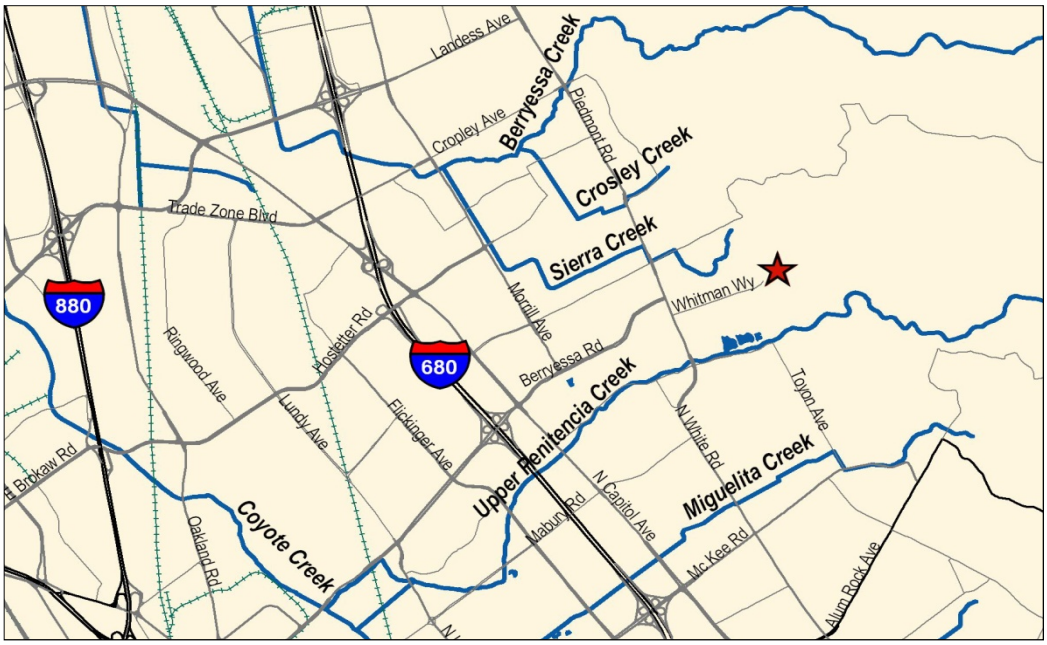
Existing Ammonia Storage Tank at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the ammonia system at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve ability to reliably control the quality of the treated water.

PROJECT LOCATION



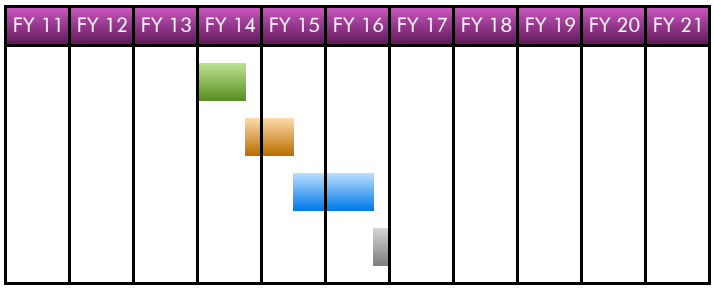
★ Project Location

SCHEDULE & STATUS

July 2013 to June 2016

Project start coordinated with completion of PWTP Site Utilization Report.

Phase	Cost
Plan	445
Design	602
Construct	2,815
Closeout	33
	3,895



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93C40275-PWTP Ammonia System Relocation and Upgrades	0	0	0	0	616	3,026	253	0	3,895
with inflation	0	0	0	0	679	3,418	300	0	4,397

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93C40275-PWTP Ammonia System Relocation and Upgrades	0	0	0	0	0	679	3,418	300	0	4,397

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,397
Other Funding Source	0
Total	4,397

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE:

Concrete – 50 Years; Tank – 30 Years; Feed pumps – 15 Years

Project	**PWTP Chemical Systems Upgrade**
Program	Water Supply – Treatment
Priority No.	47
Project No.	93234032
District Contact	Katherine Oven koven@valleywater.org

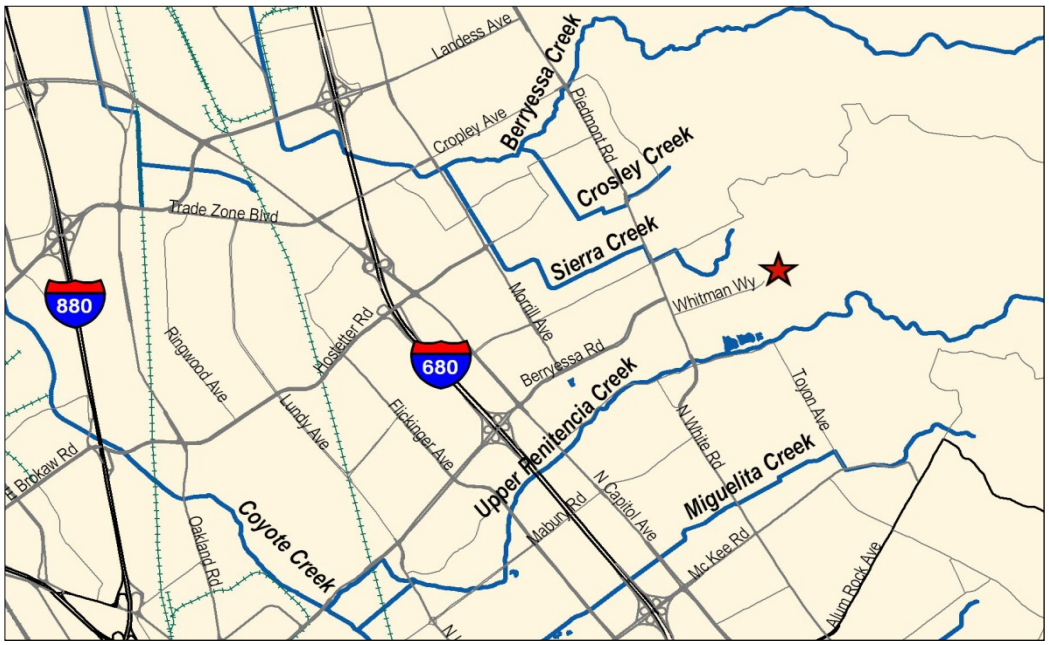
Corrosion Inhibitor Chemical Storage Tank at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) chemical systems to accomplish the following objectives:

- Minimize system breakdowns, thus improving operational redundancy and reliability.
- Provide a reliable corrosion control storage and feed system that will reduce the risk of chemical feed loss.
- Prevent contaminated water from re-entering the plant process systems.
- Prevent release of chemicals from piping systems and avoid soil contamination.

PROJECT LOCATION

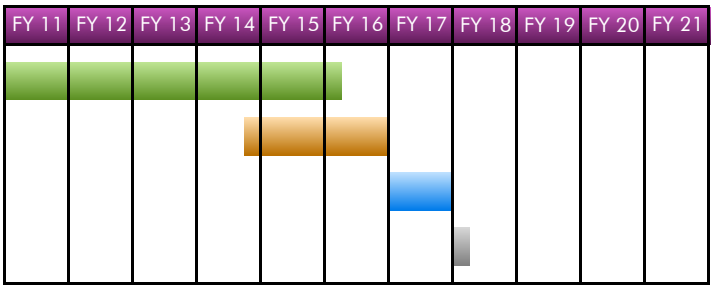


★ Project Location

SCHEDULE & STATUS

July 2001 to September 2017

Phase	Cost
Plan	418
Design	1,032
Construct	1,430
Closeout	38
	2,918



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93234032-PWTP Chemical Systems Upgrade	592	1	0	0	166	481	1,470	208	2,918
with inflation	592	1	0	0	188	569	1,793	269	3,412

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93234032-PWTP Chemical Systems Upgrade	1,353	0	760	0	0	0	0	1,791	269	3,412

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,412
Other Funding Source	0
Total	3,412

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2018, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Clearwell Recoating and Repair**
Program	Water Supply – Treatment
Priority No.	68
Project No.	93234043
District Contact	Katherine Oven koven@valleywater.org

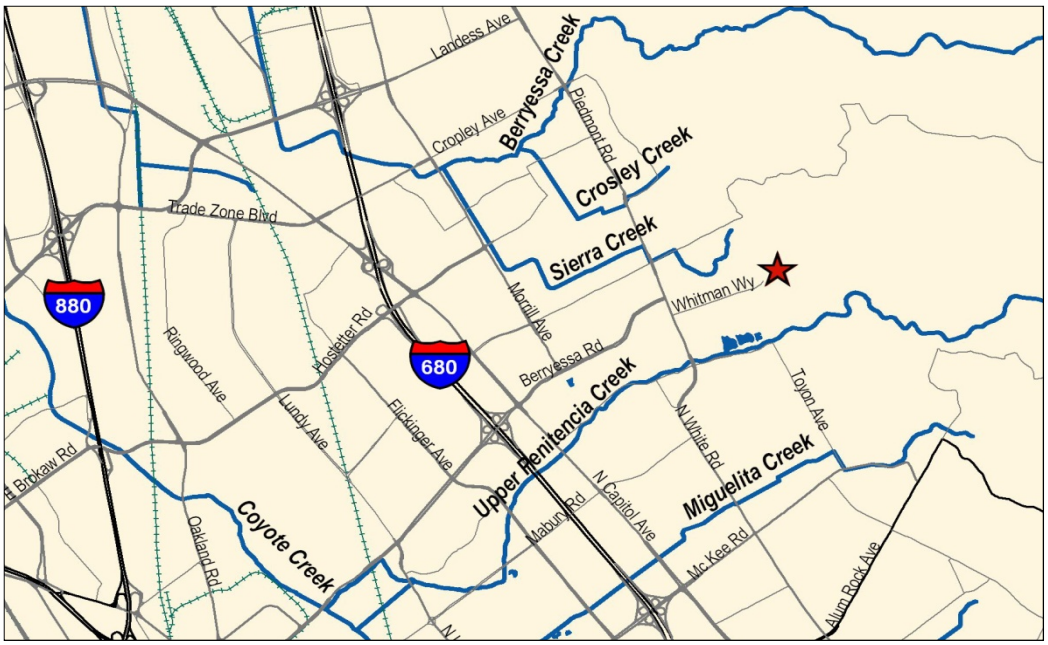
Active corrosion of the rafters and rafter support

PROJECT DESCRIPTION

This project plans, designs, and constructs corrosion repairs to the existing clearwell at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Extend the life of the PWTP Clearwell by removing as much corrosion as possible and recoating surfaces as necessary.
- Evaluate the structural condition of the rafters and supports as identified in the January 2009 report by Bay Area Coating Consultants.

PROJECT LOCATION

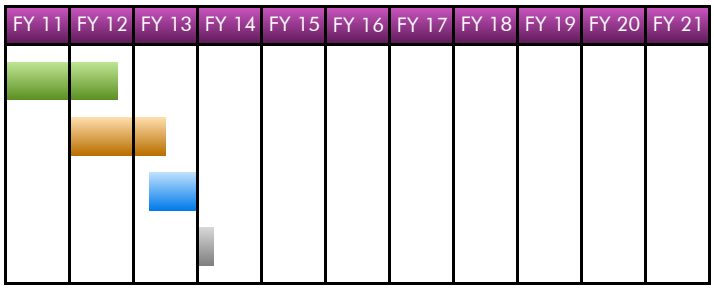


★ Project Location

SCHEDULE & STATUS

July 2010 to September 2013

Phase	Cost
Plan	624
Design	820
Construct	2,830
Closeout	15
	4,289



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93234043-PWTP Clearwell Recoating and Repair	0	483	925	2,836	45	0	0	0	4,289
with inflation	0	483	925	3,009	50	0	0	0	4,467

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93234043-PWTP Clearwell Recoating and Repair	0	1,003	520	405	3,009	50	0	0	0	4,467

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,467
Other Funding Source	0
Total	4,467

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs as it does not alter existing modes of operation.

USEFUL LIFE: 15 Years

Project	**PWTP Filter Basin Covers Improvement**
Program	Water Supply – Treatment
Priority No.	19
Project No.	93C40277
District Contact	Katherine Oven koven@valleywater.org

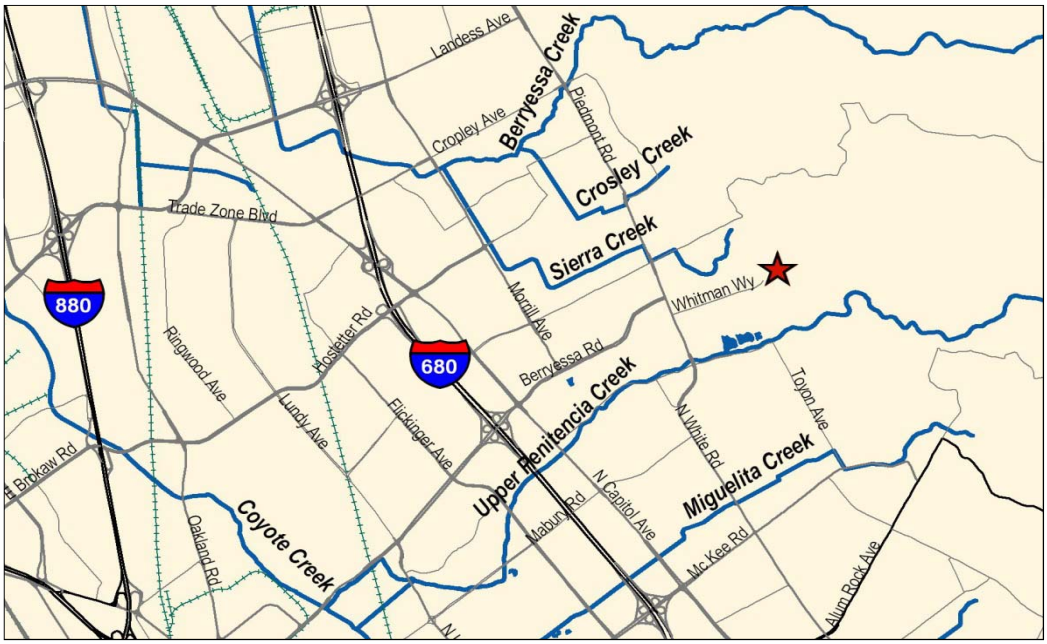
Existing filter basins at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Penitencia Water Treatment Plant (PWTP) filter basins to accomplish the following objectives:

- Reduce algae growth by creating a physical barrier to block the sunlight that algae require to grow.
- Reduce potential for clogging of the filter basins.
- Reduce potential for in-plant taste and odor production.

PROJECT LOCATION

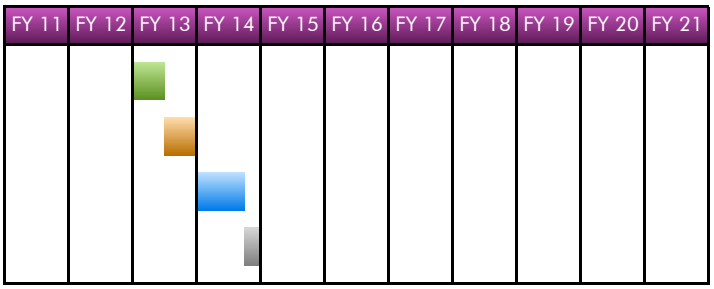


★ Project Location

SCHEDULE & STATUS

July 2012 to June 2014

Phase	Cost
Plan	167
Design	227
Construct	522
Closeout	54
	971



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93C40277-PWTP Filter Basin Covers Improvement	0	0	0	364	607	0	0	0	971
with inflation	0	0	0	386	666	0	0	0	1,052

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93C40277-PWTP Filter Basin Covers Improvement	0	0	0	0	386	666	0	0	0	1,052

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,052
Other Funding Source	0
Total	1,052

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 to 20 Years

Project	**PWTP Improvement, Stage 2**
Program	Water Supply – Treatment
Priority No.	80
Project No.	93234028
District Contact	Katherine Oven koven@valleywater.org

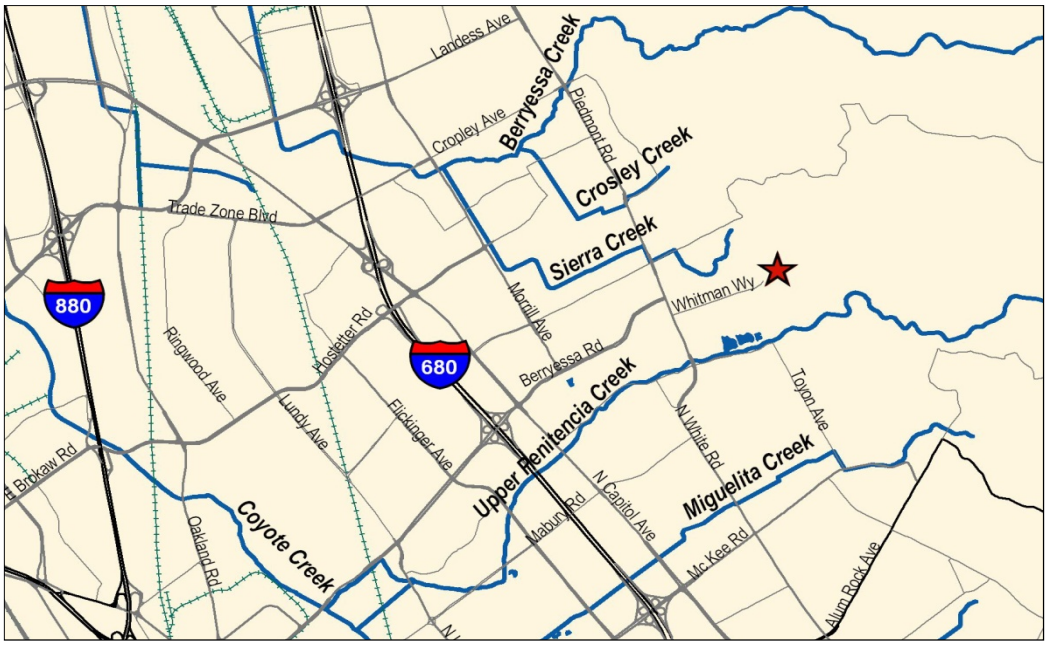
Ozone gas is produced in the ozone generation building and is bubbled through the water in the concrete contactor structure to provide primary drinking water disinfection.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Improve treated water quality and ensure all applicable water quality regulations are met or exceeded.
- Improve the reliability of Penitencia Water Treatment Plant by upgrading existing facilities to meet current seismic and landslide standards.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 1998 to November 2011

Planning phase is complete.
Design phase is complete.
Construction is complete.

Phase	Cost	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	0											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93234028-PWTP Improvement, Stage 2	69,541	34	24	0	0	0	0	0	69,599
with inflation	69,541	34	24	0	0	0	0	0	69,599

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93234028-PWTP Improvement, Stage 2	69,586	0	11	13	0	0	0	0	0	69,599

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	69,599
Other Funding Source	0
Total	69,599

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $691,000 per year, beginning in FY 2009. Increases are primarily due to the cost of power and liquid oxygen for the new ozone systems. Other increases include costs for supplemental chemicals and maintenance labor.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

Project	**PWTP Large Valve Automation**
Program	Water Supply – Treatment
Priority No.	13
Project No.	93C40278
District Contact	Katherine Oven koven@valleywater.org

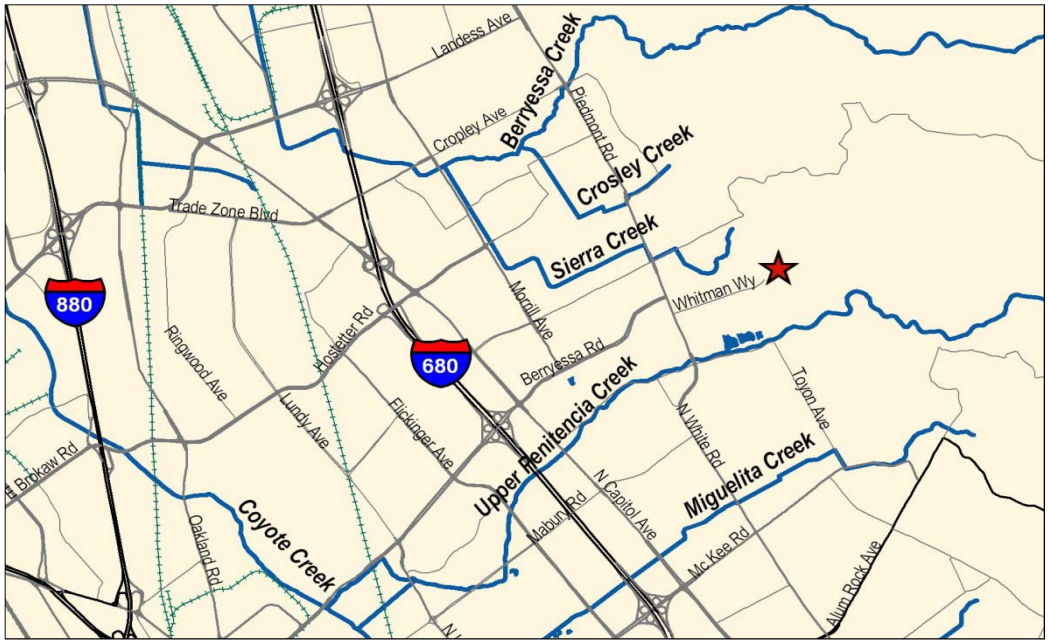
Locally controlled large motor operated valves at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the large valves at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve operational flexibility at PWTP.
- Improve ability to expedite plant shutdown.

PROJECT LOCATION

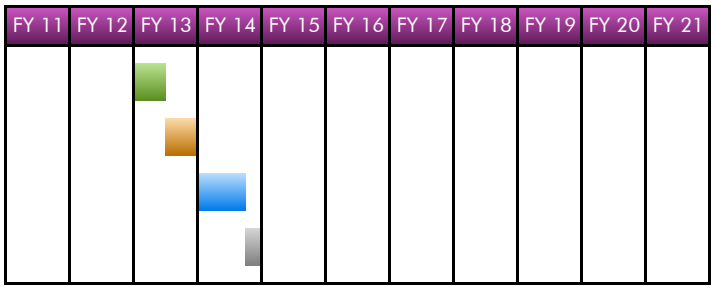


★ Project Location

SCHEDULE & STATUS

July 2012 to June 2014

Phase	Cost
Plan	115
Design	188
Construct	575
Closeout	26
	904



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93C40278-PWTP Large Valve Automation	0	0	0	768	136	0	0	0	904
with inflation	0	0	0	815	150	0	0	0	965

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93C40278-PWTP Large Valve Automation	0	0	0	0	815	150	0	0	0	965

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	965
Other Funding Source	0
Total	965

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35-40 Years

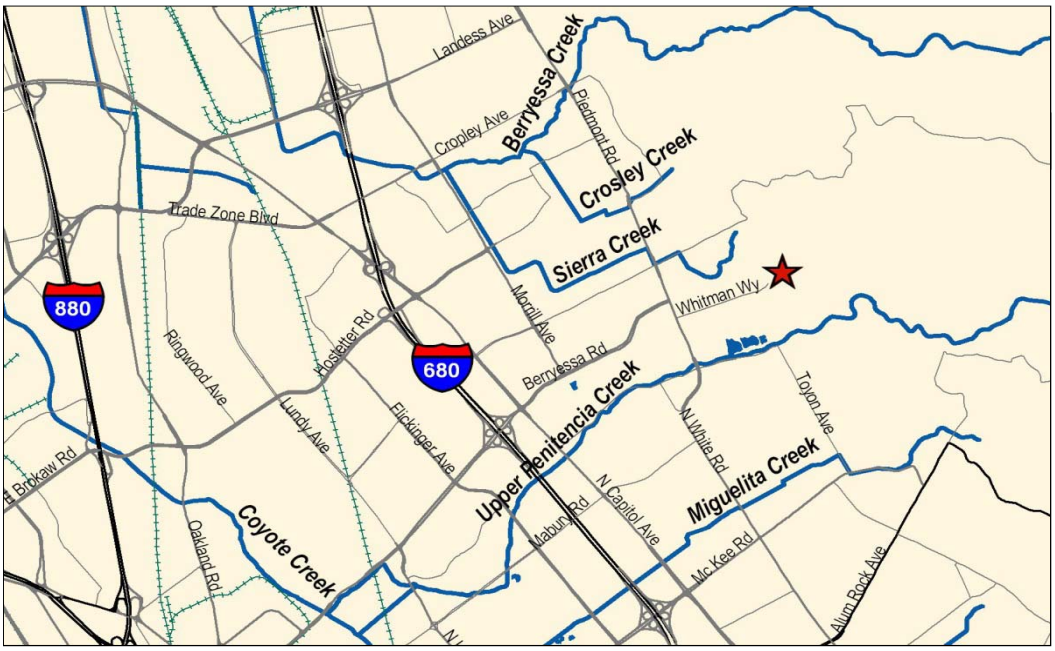
Project	**PWTP Maintenance Building**
Program	Water Supply – Treatment
Priority No.	90
Project No.	93234031
District Contact	Katherine Oven koven@valleywater.org

Story poles depicting maintenance building to be constructed at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs a new maintenance building at Penitencia Water Treatment Plant (PWTP) to provide adequate workshop space and storage areas to meet the needs of the plant maintenance personnel.

PROJECT LOCATION



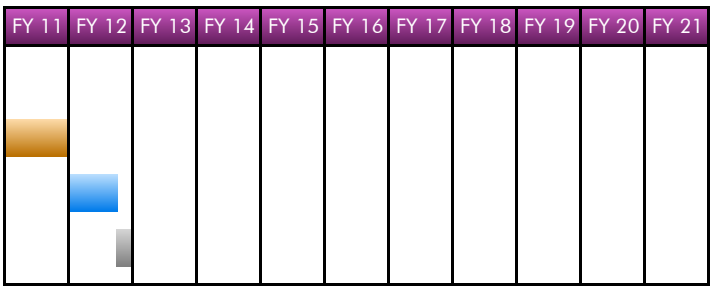
★ Project Location

SCHEDULE & STATUS

March 2000 to June 2012

Planning phase is complete.

Phase	Cost
Plan	1,426
Design	1,915
Construct	2,161
Closeout	90
	5,592



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93234031-PWTP Maintenance Building	2,813	2,165	614	0	0	0	0	0	5,592
with inflation	2,813	2,165	614	0	0	0	0	0	5,592

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93234031-PWTP Maintenance Building	5,697	0	719	0	0	0	0	0	0	5,697

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $105,000. Excess funds will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,697
Other Funding Source	0
Total	5,697

OPERATING COST IMPACTS

Completion of the project is anticipated to increase operating expenditure by $15,000 per year, beginning in FY 2013. The cost of operation of the new building (water, power, etc.) is approximately $1,000 to $2,000 per month. Initially, maintenance costs should be very low.

USEFUL LIFE: 50+ Years

Project	**PWTP Washwater Clarification Facility**
Program	Water Supply – Treatment
Priority No.	49
Project No.	93C40199
District Contact	Katherine Oven koven@valleywater.org

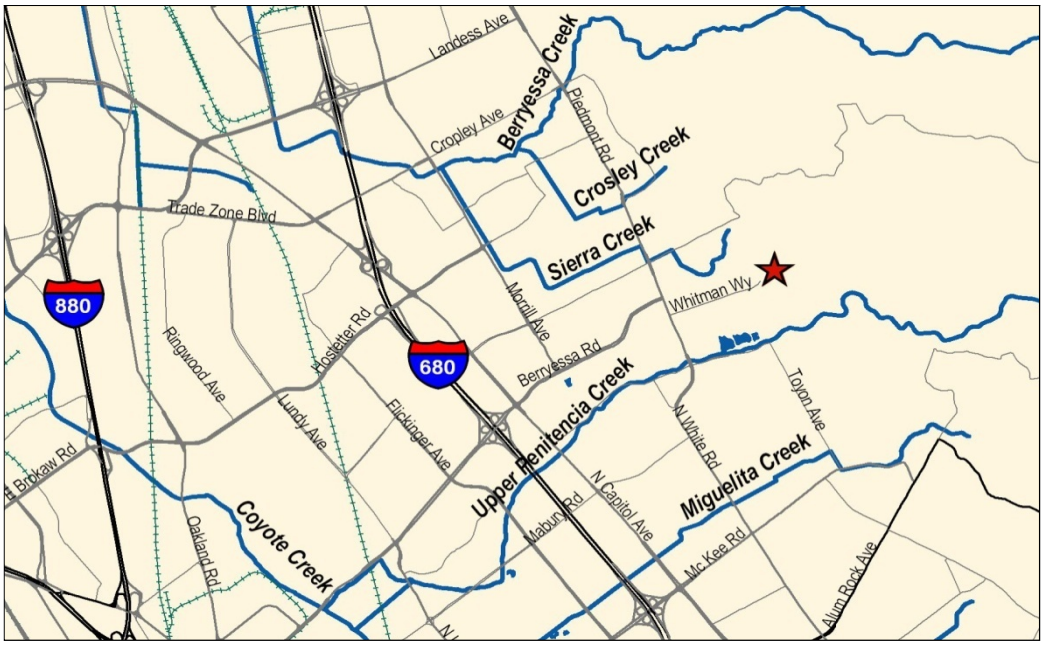
Potential site for new washwater clarification facility in foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) that create a new washwater clarification facility to accomplish the following objectives:

- Improve treated water quality.
- Comply with the Federal Filter Backwash Recycling Rule (FBRR) and the California Cryptosporidium Action Plan (CAP).

PROJECT LOCATION

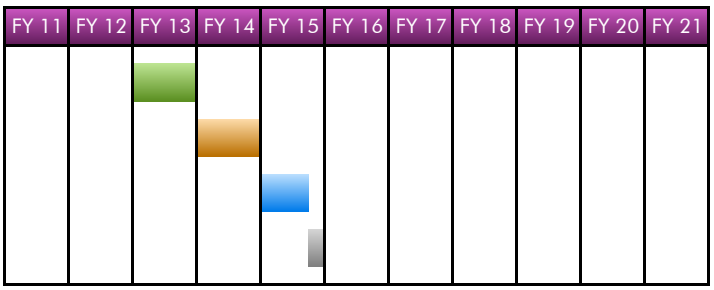


★ Project Location

SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	486
Design	485
Construct	5,387
Closeout	24
	6,383



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93C40199-PWTP Washwater Clarification Facility	0	0	0	452	520	5,411	0	0	6,383
with inflation	0	0	0	480	573	6,092	0	0	7,144

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93C40199-PWTP Washwater Clarification Facility	0	0	0	0	480	573	6,092	0	0	7,144

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,144
Other Funding Source	0
Total	7,144

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $50,000 per year beginning in FY 2016, for routine inspections and preventative and maintenance of the new facility.

USEFUL LIFE: Small Pumps – 15 Years; Large Pumps – 35 Years; Chain & Flight System – 20 Years; Structural Elements – 50+ Years

Project	**PWTP Water Pumps Modification**
Program	Water Supply – Treatment
Priority No.	75
Project No.	93234042
District Contact	Katherine Oven koven@valleywater.org

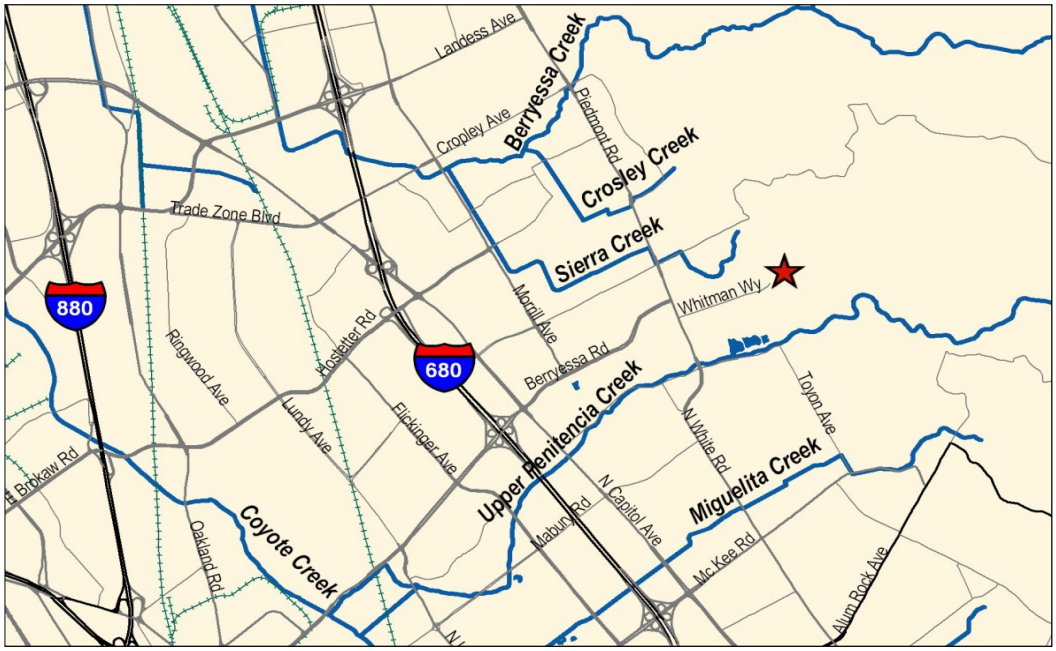
Two plant water pumps and three cooling water pumps supply water used at the Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) pumps to accomplish the following objectives:

- Increase operating capacity of the plant water pumps.
- Increase operating capacity of the cooling water pumps.
- Meet plant water demands.
- Improve operational reliability.

PROJECT LOCATION

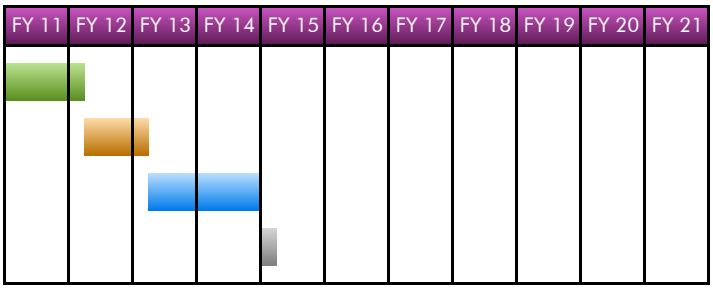


★ Project Location

SCHEDULE & STATUS

November 2009 to July 2014

Phase	Cost
Plan	360
Design	580
Construct	2,412
Closeout	16
	3,368



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93234042-PWTP Water Pumps Modification	121	102	647	2,037	457	4	0	0	3,368
with inflation	121	102	647	2,161	503	5	0	0	3,539

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93234042-PWTP Water Pumps Modification	606	2,139	2,522	0	286	503	5	0	0	3,539

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,539
Other Funding Source	0
Total	3,539

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30 Years

Project	**RWTP BL-1 Valve Vault Replacement**
Program	Water Supply – Treatment
Priority No.	58
Project No.	93C40115
District Contact	Katherine Oven koven@valleywater.org

Access to this underground enclosure is located in the middle of a driveway used by large 18-wheelers to access other areas of the plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) BL-1 Valve Vault to accomplish the following objectives:

- Relieve difficult access.
- Provide for a reliable valve.
- Provide an isolation or "guard" valve.

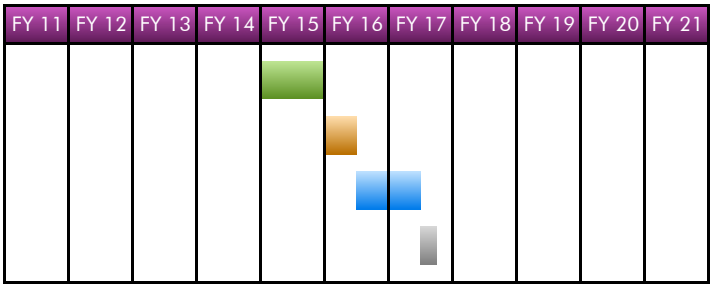
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2014 to March 2017

Phase	Cost
Plan	217
Design	109
Construct	944
Closeout	31
	1,300



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93C40115-RWTP BL-1 Valve Vault Replacement	0	0	0	0	0	217	988	95	1,300
with inflation	0	0	0	0	0	248	1,150	117	1,515

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93C40115-RWTP BL-1 Valve Vault Replacement	0	0	0	0	0	0	248	1,150	117	1,515

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,515
Other Funding Source	0
Total	1,515

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not signifiantly alter the existing facilities or modes of operation.

USEFUL LIFE: Vault – 40 Years; Valve – 35 Years; Control System – 15 Years

Project	RWTP Chemical System Upgrade
Program	Water Supply – Treatment
Priority No.	56
Project No.	93294029
District Contact	Katherine Oven koven@valleywater.org

The existing corrosion inhibitor facility at RWTP will be upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the phosphoric and caustic facilities, plant effluent flow meter, and backwash pump adjustable speed drive at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve plant reliability.
- Ensure compliance with the Lead and Copper Rule.

PROJECT LOCATION

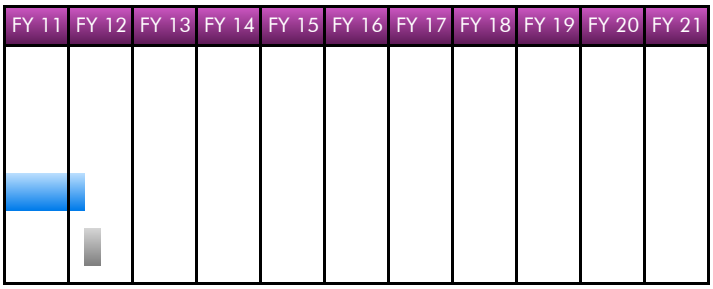
★ Project Location

SCHEDULE & STATUS

October 2002 to December 2011

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	302
Design	1,645
Construct	4,051
Closeout	28
	6,026



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294029-RWTP Chemical System Upgrade	4,984	940	102	0	0	0	0	0	6,026
with inflation	4,984	940	102	0	0	0	0	0	6,026

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294029-RWTP Chemical System Upgrade	5,960	0	36	66	0	0	0	0	0	6,026

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,026
Other Funding Source	0
Total	6,026

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Tanks – 20 Years. Flow Meter, Mechanical and Electrical Equipment – 15 Years.

Project	**RWTP Filter Polymer System Improvement**
Program	Water Supply – Treatment
Priority No.	71
Project No.	93C40280
District Contact	Katherine Oven koven@valleywater.org

The existing filter polymer feed and storage system will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Rinconada Water Treatment Plant (RWTP) filter polymer feed system to accomplish the following objectives:

- Improve plant reliability and operability.
- Extend the useful life of Rinconada Water Treatment Plant.

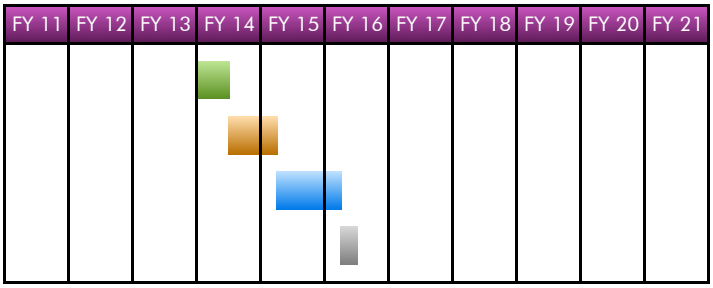
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2013 to December 2015

Phase	Cost
Plan	64
Design	227
Construct	945
Closeout	21
	1,257



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93C40280-RWTP Filter Polymer System Improvement	0	0	0	0	194	977	86	0	1,257
with inflation	0	0	0	0	208	1,093	97	0	1,398

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93C40280-RWTP Filter Polymer System Improvement	0	0	0	0	0	208	1,093	97	0	1,398

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,398
Other Funding Source	0
Total	1,398

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Chemical Storage Structure & Pump Valves Upgrade**
Program	Water Supply – Treatment
Priority No.	87
Project No.	93294056
District Contact	Katherine Oven koven@valleywater.org

This structure, housing the chemical storage tanks at RWTP, will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) chemical storage structure and main pump system valves and actuators, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

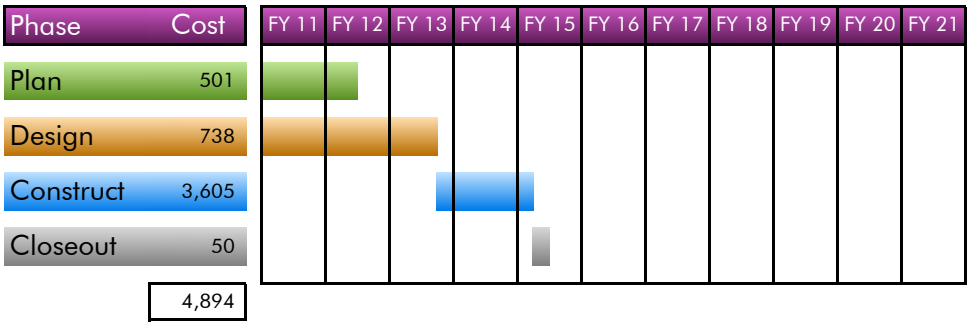
- Ensure plant operational reliability be improving seismic performance of the existing chemical storage structures.
- Improve ability to maintain RWTP.
- Provide more reliable and watertight isolation of these valves from future work areas.

PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2009 to October 2014



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294056-RWTP FRP Chemical Storage Structure & Pump Valves Upgrade	162	470	292	3,135	680	155	0	0	4,894
with inflation	162	470	292	3,327	749	177	0	0	5,176

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294056-RWTP FRP Chemical Storage Structure & Pump Valves Upgrade	307	671	346	0	3,273	749	177	0	0	5,176

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,176
Other Funding Source	0
Total	5,176

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: 40 Years

Project	**RWTP FRP Clarifier Rehabilitation**
Program	Water Supply – Treatment
Priority No.	90
Project No.	93294050
District Contact	Katherine Oven koven@valleywater.org

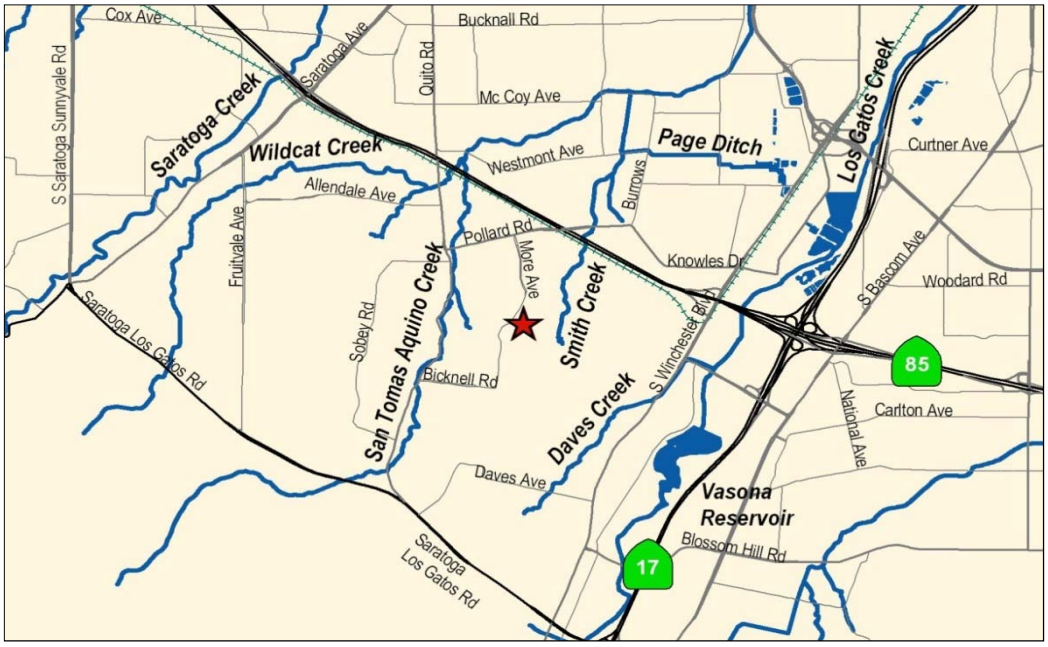
The existing clarifier mechanism will be replaced to improve operational reliability.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) in accordance with the Facility Renewal Program (FRP) to replace the 40-year-old clarification equipment, which is overdue for complete overhaul and replacement, to accomplish the following objectives:

- Extend the useful life of the water treatment plant.
- Increase reliability.

PROJECT LOCATION



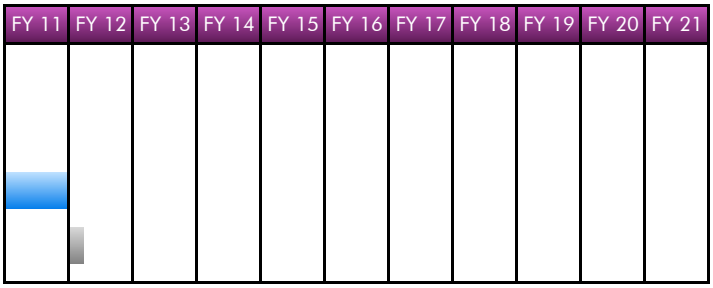
★ Project Location

SCHEDULE & STATUS

July 2008 to September 2011

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	139
Design	171
Construct	5,517
Closeout	55
	5,882



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294050-RWTP FRP Clarifier Rehabilitation	5,050	760	72	0	0	0	0	0	5,882
with inflation	5,050	760	72	0	0	0	0	0	5,882

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294050-RWTP FRP Clarifier Rehabilitation	6,337	0	527	0	0	0	0	0	0	6,337

Adjusted Budget includes adopted budget plus approved budget adjustments. Current funding exceeds planned expenditures by $455,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,337
Other Funding Source	0
Total	**6,337**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Primary Electrical System Improvement**
Program	Water Supply – Treatment
Priority No.	87
Project No.	93294054
District Contact	Katherine Oven koven@valleywater.org

The RWTP's main electrical equipment will be replaced and upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) primary electrical equipment; including main transformers, switches, breakers and electrical panels, pump system valves, and actuators; consistent with the Facility Renewal Program (FRP) to improve reliability by avoiding unplanned plant shutdown due to failures of the primary electrical equipment.

PROJECT LOCATION

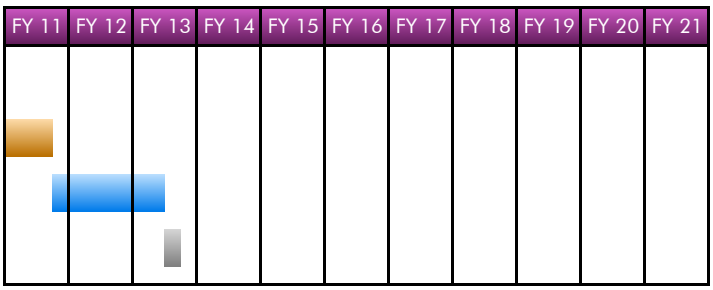
★ Project Location

SCHEDULE & STATUS

September 2008 to September 2012

Planning phase is complete.

Phase	Cost
Plan	649
Design	418
Construct	4,723
Closeout	70
	5,860



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294054-RWTP FRP Primary Electrical System Improvement	739	3,930	901	290	0	0	0	0	5,860
with inflation	739	3,930	901	308	0	0	0	0	5,878

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294054-RWTP FRP Primary Electrical System Improvement	1,170	4,258	759	142	308	0	0	0	0	5,878

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,878
Other Funding Source	0
Total	5,878

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	RWTP FRP Residuals Management
Program	Water Supply – Treatment
Priority No.	87
Project No.	93294051
District Contact	Katherine Oven koven@valleywater.org

RWTP washwater recovery basins will be retrofitted.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) residuals management processes, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Extend the useful life of the treatment plant.
- Improve the efficiency of the residual management processes.
- Minimize risk of discharge violations.
- Improve the reliability of RWTP.

PROJECT LOCATION

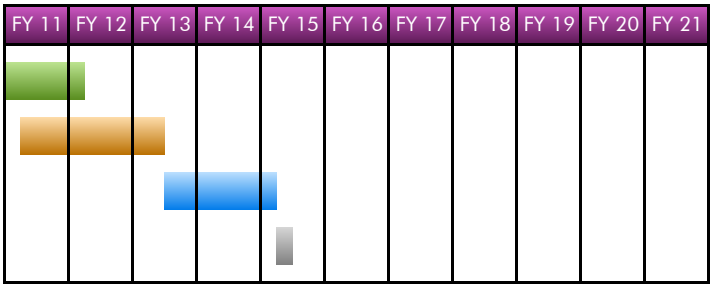
★ Project Location

SCHEDULE & STATUS

July 2008 to October 2014

Design and Construction phases overlap due to a phased approach to managing the project.

Phase	Cost
Plan	976
Design	2,744
Construct	14,380
Closeout	100
	18,200



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294051-RWTP FRP Residuals Management	1,143	445	1,992	13,360	1,080	180	0	0	18,200
with inflation	1,143	445	1,992	14,175	1,189	206	0	0	19,150

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294051-RWTP FRP Residuals Management	2,903	251	1,566	426	14,175	1,189	206	0	0	19,150

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

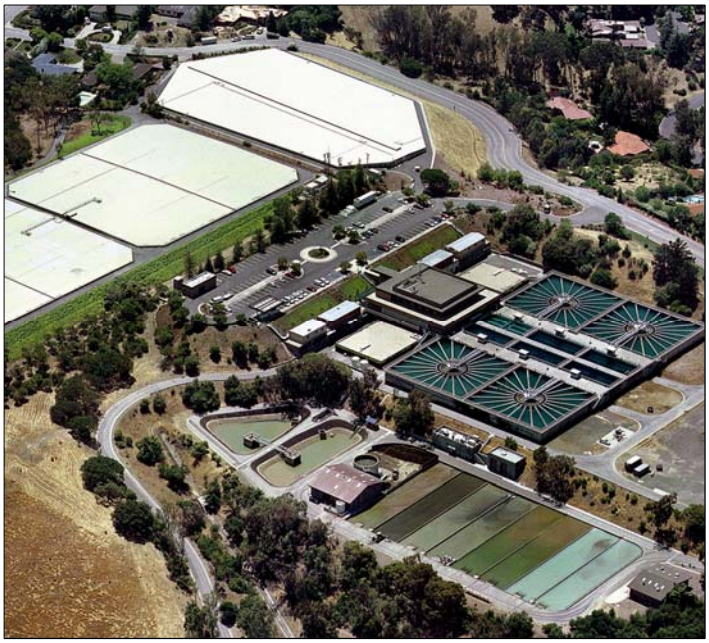
SCVWD Water Utility Enterprise Fund	19,150
Other Funding Source	0
Total	19,150

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Structures – 50 Years; Mechanical Equipment – 15 Years; Electrical Equipment – 10 Years

Project	**RWTP Reliability Improvement**
Program	Water Supply – Treatment
Priority No.	46
Project No.	93294057
District Contact	Sandy Oblonsky soblonsky@valleywater.org



Rinconada Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve service factors by increasing clarification and filtration capacity.
- Provide for taste and odor control improvement, reduction of filter loading by addition or modification of filters, and washwater clarification.

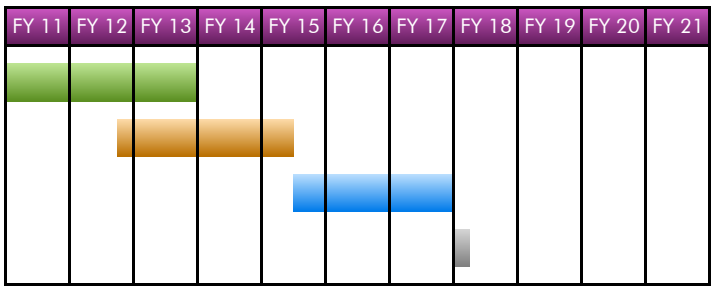
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

July 2009 to August 2017

Phase	Cost
Plan	2,896
Design	6,481
Construct	82,390
Closeout	150
	91,917



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294057-RWTP Reliability Improvement	63	1,700	1,014	5,100	1,280	34,830	38,500	9,430	91,917
with inflation	63	1,700	1,014	5,416	1,410	39,314	44,719	11,348	104,983

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294057-RWTP Reliability Improvement	2,110	346	693	321	5,416	1,410	39,314	44,719	11,348	104,983

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	104,983
Other Funding Source	0
Total	104,983

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1.4 million per year, beginning in FY 2018. Increases are for routine maintenance and operation of new equipment.

USEFUL LIFE: Media – 20 Years; Structures – 50 Years; Equipment – 15 Years

Project	RWTP Standby Power Upgrade
Program	Water Supply – Treatment
Priority No.	58
Project No.	93294035
District Contact	Frank Maitski fmaitski@valleywater.org

Temporary location of generator in the Rinconada parking lot.

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve the reliability and functional performance of the existing power supply systems by construction of a permanent facility.
- Ensure that the water treatment plant can continue to efficiently and reliably deliver treated water during utility power outage.
- Meet all code requirements.

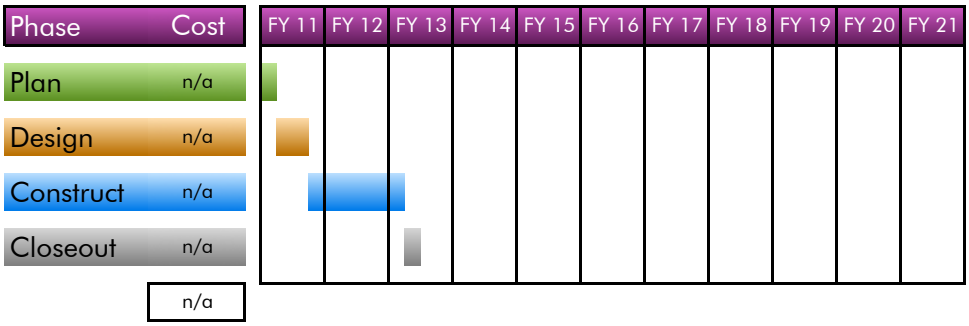
PROJECT LOCATION

★ Project Location

SCHEDULE & STATUS

March 2002 to December 2012

Planning phase is complete. Some planning activities done in operations - 93292055.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294035-RWTP Standby Power Upgrade	507	1,283	308	123	0	0	0	0	2,221
with inflation	507	1,283	308	131	0	0	0	0	2,229

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294035-RWTP Standby Power Upgrade	1,913	0	123	185	131	0	0	0	0	2,229

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,229
Other Funding Source	0
Total	2,229

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs as the project does not alter the mode of operation.

USEFUL LIFE: 15+ Years

Project	**RWTP Valve Replacements**
Program	Water Supply – Treatment
Priority No.	77
Project No.	93294045
District Contact	Katherine Oven koven@valleywater.org

Existing filter gallery valve and actuator to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP), including the replacement of valves and actuators and installation of new isolation valves to improve plant operational reliability and maintenance activities.

PROJECT LOCATION

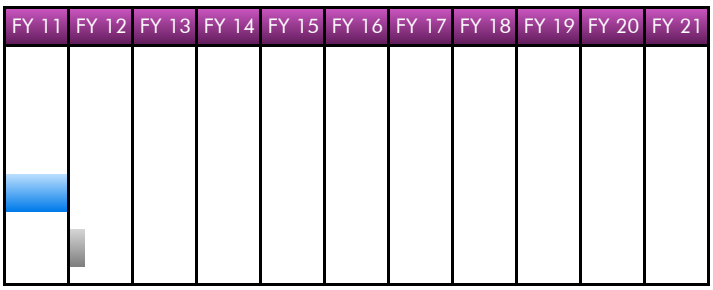
★ Project Location

SCHEDULE & STATUS

July 2007 to September 2011

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	144
Design	954
Construct	4,519
Closeout	71
	5,688



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93294045-RWTP Valve Replacements	4,936	726	26	0	0	0	0	0	5,688
with inflation	4,936	726	26	0	0	0	0	0	5,688

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93294045-RWTP Valve Replacements	6,018	0	356	0	0	0	0	0	0	6,018

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved funding is $330,000 more than planned expenditures. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,018
Other Funding Source	0
Total	6,018

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE:

Valves – 30 Years. Actuators and Flow Meter – 20 Years.

Project	Small Capital Improvements, Water Treatment
Program	Water Supply – Treatment
Priority No.	67
Project No.	93764004
District Contact	Sandy Oblonsky soblonsky@valleywater.org

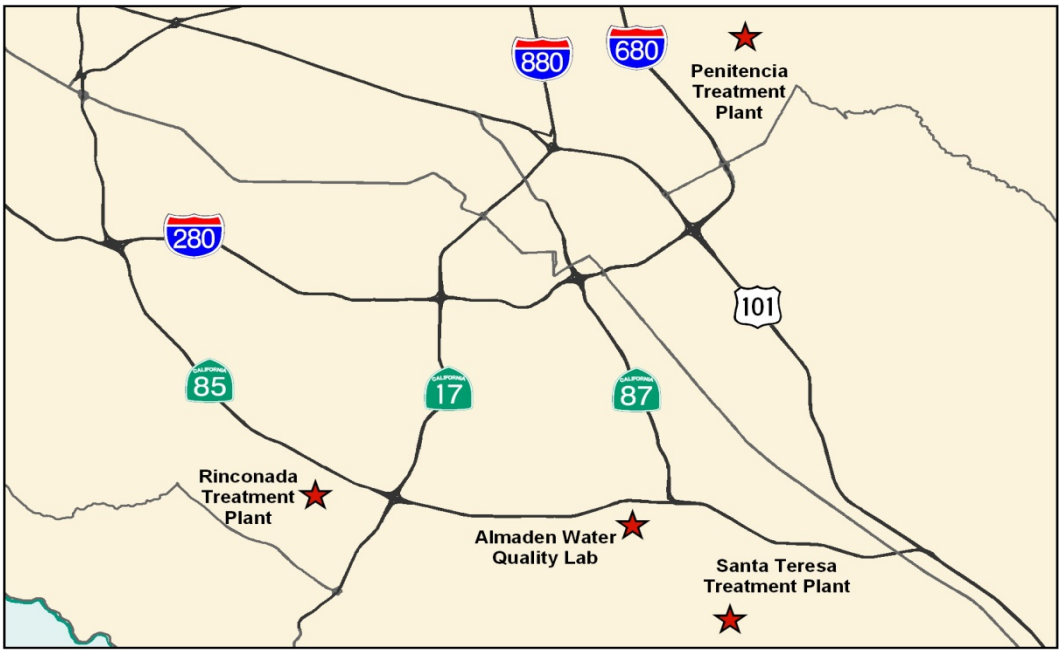
Sludge pond sediment removal at Santa Teresa Water Treatment Plant

PROJECT DESCRIPTION

This project provides resources for the improvement of small capital investments that replace or extend the lifetime of an asset. This project implements a systematic approach of equipment replacement and renewal at the three water treatment plants and laboratory by designing and constructing improvements identified as part of the District's 10-year asset management program. Typical activities included in this project include pump, motor, instrumentation and valve replacement; chemical tank repairs; and large-scale renewal and replacement activities like clarifier mechanism overhaul and replacement. Planned projects to complete in FY 2012 include:

- Remove sludge pond sediment in Ponds 8, 9 and 10 at the Santa Teresa Water Treatment Plant.
- Replace standby air compressor at Rinconada Water Treatment Plant.
- Replace freight elevator at Rinconada Water Treatment Plant.
- Replace booster pump at Rinconada Water Treatment Plant.
- Replace laboratory equipment.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Traditional planning, design, and construction phases do not apply.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93764004-Small Capital Improvements, Water Treatment	n/a	1,398	1,148	1,121	1,121	1,121	1,121	5,605	12,635
with inflation	n/a	1,398	1,148	1,190	1,234	1,280	1,327	7,411	14,990

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93764004-Small Capital Improvements, Water Treatment	n/a	1,398	0	1,148	1,190	1,234	1,280	1,327	7,411	14,990

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	14,990
Other Funding Source	0
Total	14,990

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

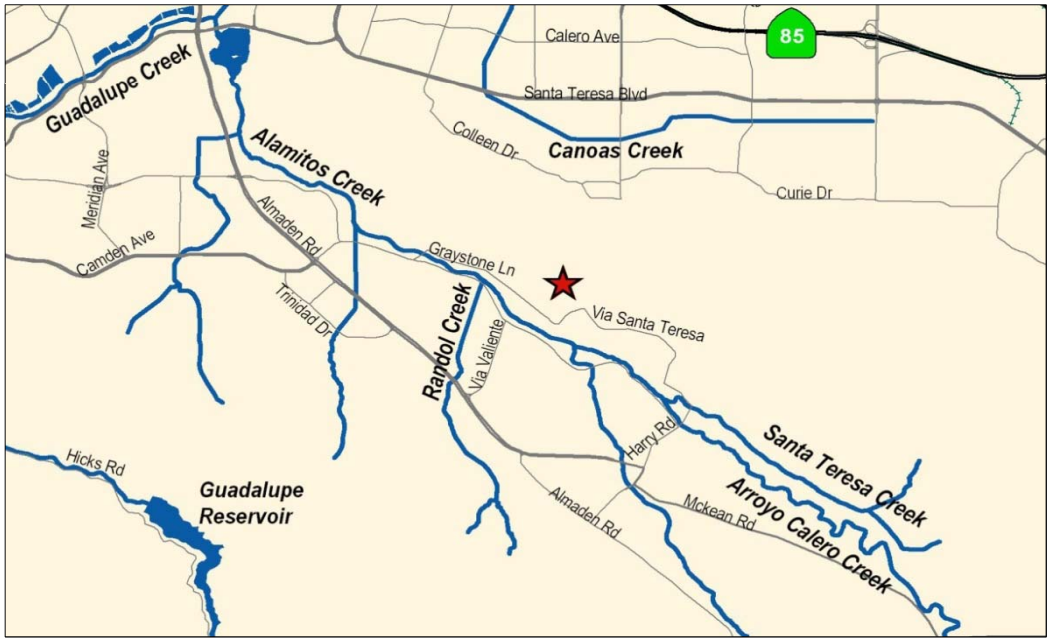
Project	STWTP Incompatible Materials
Program	Water Supply – Treatment
Priority No.	66
Project No.	93284030
District Contact	Katherine Oven koven@valleywater.org

New double contained piping installed to separate incompatible chemicals

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to separate incompatible chemicals in the chemical feed area, chemical trenches and storage facilities to meet Hazardous Material (HAZMAT) storage regulations.

PROJECT LOCATION



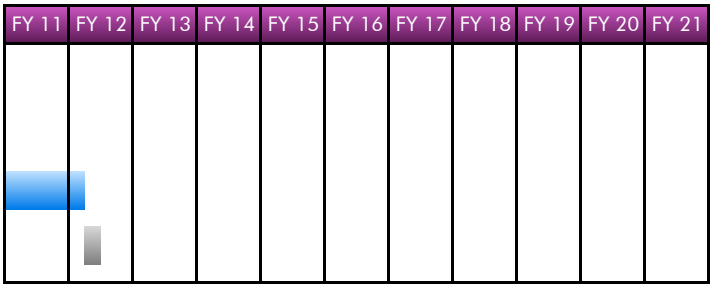
★ Project Location

SCHEDULE & STATUS

July 2001 to October 2011

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	141
Design	2,619
Construct	5,308
Closeout	30
	8,098



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93284030-STWTP Incompatible Materials	6,464	1,280	354	0	0	0	0	0	8,098
with inflation	6,464	1,280	354	0	0	0	0	0	8,098

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93284030-STWTP Incompatible Materials	6,580	1,171	7	347	0	0	0	0	0	8,098

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,098
Other Funding Source	0
Total	8,098

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $4,500 per year, beginning in FY 2012. This project primarily replaces existing equipment with similar new equipment and a net increase of four mixers, which will require additional preventive maintenance.

USEFUL LIFE: Mechanical Elements – 35+ Year; Structural Elements – 50+ Years

Project	**Water Protection**
Program	Water Supply – Treatment
Priority No.	34
Project No.	94084005
District Contact	Katherine Oven koven@valleywater.org

Security inspection of vehicles entering Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs security modifications at the District's Water Utility facilities, in response to a security vulnerability assessment completed in 2003, to improve security and reduce terrorist threats to water service reliability.

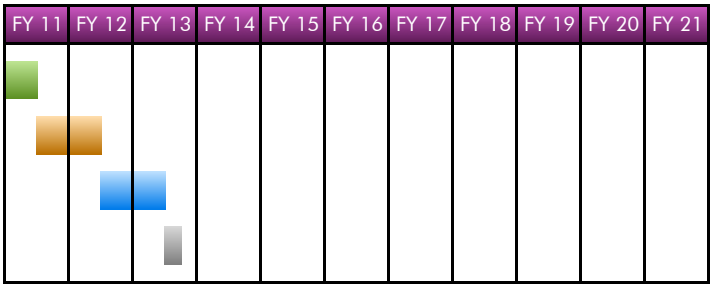
PROJECT LOCATION

This project will construct security improvements at the District's three water treatment plants and other Water Utility facilities. No project map is provided.

SCHEDULE & STATUS

June 2004 to March 2013

Phase	Cost
Plan	1,222
Design	843
Construct	5,935
Closeout	100
	8,100



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
94084005-Water Protection	1,548	445	5,737	370	0	0	0	0	8,100
with inflation	1,548	445	5,737	393	0	0	0	0	8,123

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
94084005-Water Protection	7,599	0	5,606	131	393	0	0	0	0	8,123

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

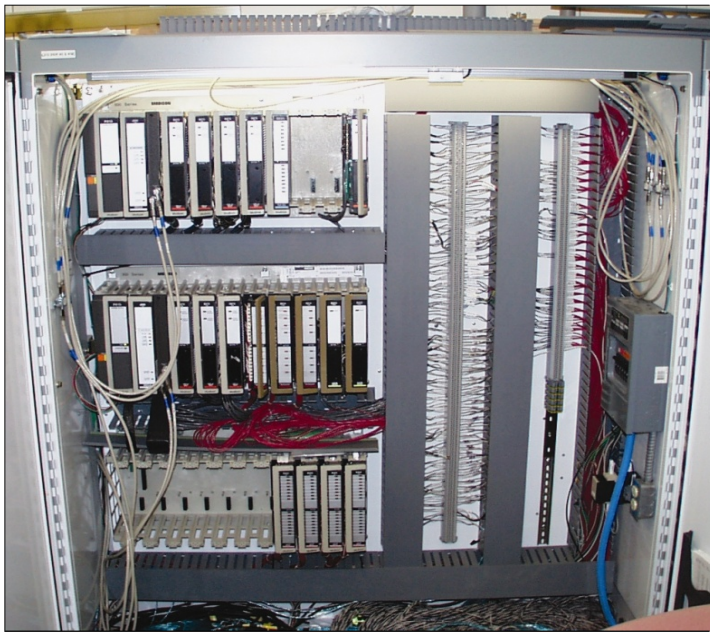
SCVWD Water Utility Enterprise Fund	8,123
Other Funding Source	0
Total	8,123

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Not Available

Project	WTP I/O Cards and Trunk Cables Upgrade
Program	Water Supply – Treatment
Priority No.	68
Project No.	93084009
District Contact	Katherine Oven koven@valleywater.org

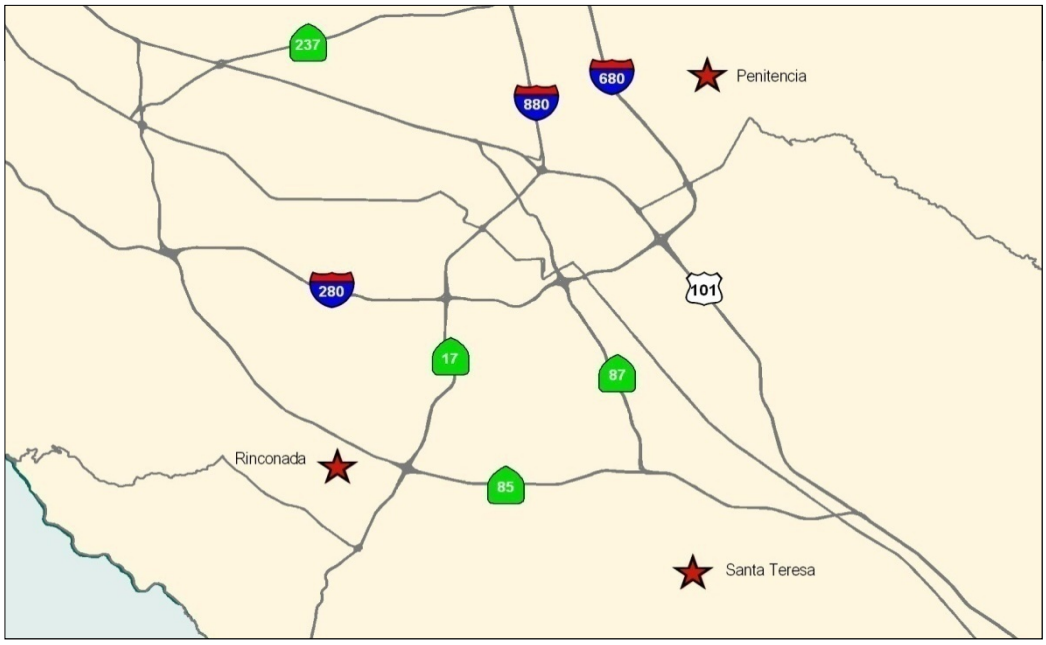


Existing I/O cards will be replaced.

PROJECT DESCRIPTION

This project upgrades the Supervisory Control and Data Acquisition (SCADA) hardware and software and replaces trunk cables at the District's three water treatment plants (WTP) to ensure operational reliability.

PROJECT LOCATION



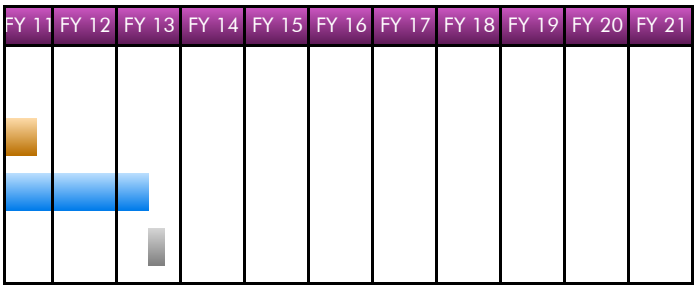
Project Location

SCHEDULE & STATUS

July 2003 to March 3013

Planning phase is complete. Design and construction phases overlap due to the phased approach for installation of I/O modules and then trunk cables.

Phase	Cost
Plan	211
Design	335
Construct	4,281
Closeout	60
	4,887



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
93084009-WTP I/O Cards and Trunk Cables Upgrade	3,848	500	399	140	0	0	0	0	4,887
with inflation	3,848	500	399	149	0	0	0	0	4,896

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
93084009-WTP I/O Cards and Trunk Cables Upgrade	5,286	0	938	0	0	0	0	0	0	5,286

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds expenditures by approximately $390,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,286
Other Funding Source	0
Total	5,286

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 10+ Years

Project	**Bay Area Regional Desalination, Mallard Slough Pilot Plant**
Program	Water Supply – Recycled Water
Priority No.	5
Project No.	91084017
District Contact	Sandy Oblonsky soblonsky@valleywater.org

Mallard Slough at Mallard Slough Pump Station

PROJECT DESCRIPTION

This project plans, designs, constructs and operates a temporary desalination pilot facility, so that the District and partner agencies (East-Bay Municipal Utility District, San Francisco Public Utilities Commission, and Contra Costa Water District) can obtain refined local data on micro-filtration and reverse osmosis using delta brackish water, and brine toxicity. The pilot project also tests marine life exclusion systems. Data collected by this project will contribute to the following objectives:

- Provide additional sources of water during emergencies such as earthquakes or Delta levee failures.
- Provide a supplemental water supply source during extended droughts.
- Allow other major facilities such as treatment plants, water pipelines, and pump stations to be taken out of service for maintenance or repairs.
- Increase water supply reliability by providing supplemental water from a regional facility.

PROJECT LOCATION

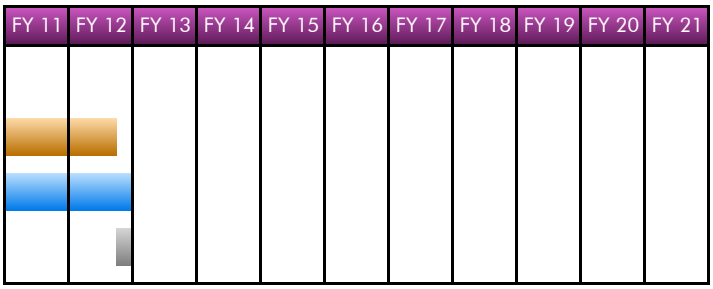
★ Project Location

SCHEDULE & STATUS

January 2007 to June 2012

Planning, design and construction are all under one contract, held by EBMUD. Construction phase includes one year of pilot plant operation before closeout.

Phase	Cost
Plan	60
Design	50
Construct	380
Closeout	10
	500



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91084017-Bay Area Regional Desalination, Mallard Slough Pilot Plant	200	0	300	0	0	0	0	0	500
with inflation	200	0	300	0	0	0	0	0	500

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91084017-Bay Area Regional Desalination, Mallard Slough Pilot Plant	500	0	300	0	0	0	0	0	0	500

Adjusted Budget includes adopted budget plus approved budet adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	263
U.S. Department of Water Resources	237
Total	**500**
Local Partner–San Francisco Public Utilities Commission	258
Local Partner–East Bay Municipal Utility District	258
Local Partner–Contra Costa Water District	258
Local Partner–Zone 7 Water Agency	258
State Partner–Department of Water Resources	763
Total Partnership Funding	**1,795**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs because this is a pilot plant that will be used for data gathering purposes and then dismantled at the end of the project.

USEFUL LIFE: Temporary Facility – Not Applicable

Project	**Recycled Water South County Masterplan Implementation**
Program	Water Supply – Recycled Water
Priority No.	16
Project No.	91094007s
District Contact	Katherine Oven koven@valleywater.org

Recycled water purple pipeline waiting to be laid during construction of Immediate Term project.

PROJECT DESCRIPTION

This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Master Plan report that the District and South County Regional Wastewater Authority (SCRWA) Boards accepted in December 2004 to operate and expand the South County Recycled Water System.

The Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

- Gilroy Pipelines (Immediate Term) includes design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the SCRWA treatment plant (91094007).
- Gilroy Pipelines and Reservoir (Short Term) constructs about 42,000 feet of 16- to 30-inch pipelines from the SCRWA treatment plant along Southside Drive and Luchessa Avenue to the Glen Loma development, and a 3-million-gallon storage reservoir (91094008).
- Gavilan, Hecker Pass, and Morgan Hill Scalping Plant (Long Term) consists of pipeline extensions of the Gilroy Sports Park to serve the Gavilan College area, additional distribution piping in the Hecker Pass area, a Morgan Hill scalping plant and 2-mgd expansion of the booster pump station (91C40219).

The project is funded for the immediate- and short-term phases only. The scope, schedule, costs, and funding sources for the long-term project will be determined pending Board consideration of alternatives for responding to financial constraints.

PROJECT LOCATION

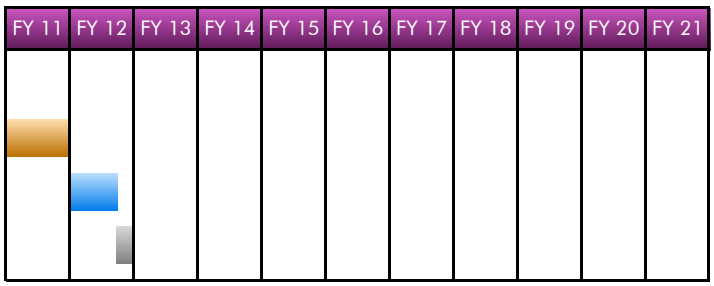
No map is provided.

PROJECT SCHEDULE

July 2005 to June 2012

The display shows the Short-Term project only. The Immediate-Term project is complete. Some planning for both projects was done in a separate project.

Phase	Cost
Plan	1,230
Design	1,272
Construct	11,523
Closeout	100
	14,125



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91094007-Recycled Water South County Masterplan - Immediate Term	3,257	0	0	0	0	0	0	0	3,257
with inflation	3,257	0	0	0	0	0	0	0	3,257
91094008-Recycled Water South County Masterplan - Short Term	1,296	8,938	634	0	0	0	0	0	10,868
with inflation	1,296	8,938	634	0	0	0	0	0	10,868
TOTAL	**4,553**	**8,938**	**634**	**0**	**0**	**0**	**0**	**0**	**14,125**
with inflation	**4,553**	**8,938**	**634**	**0**	**0**	**0**	**0**	**0**	**14,125**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91094007-Recycled Water South County Masterplan - Immediate Term	3,257	0	0	0	0	0	0	0	0	3,257
91094008-Recycled Water South County Masterplan - Short Term	3,775	6,898	439	195	0	0	0	0	0	10,868
TOTAL	**7,032**	**6,898**	**439**	**195**	**0**	**0**	**0**	**0**	**0**	**14,125**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

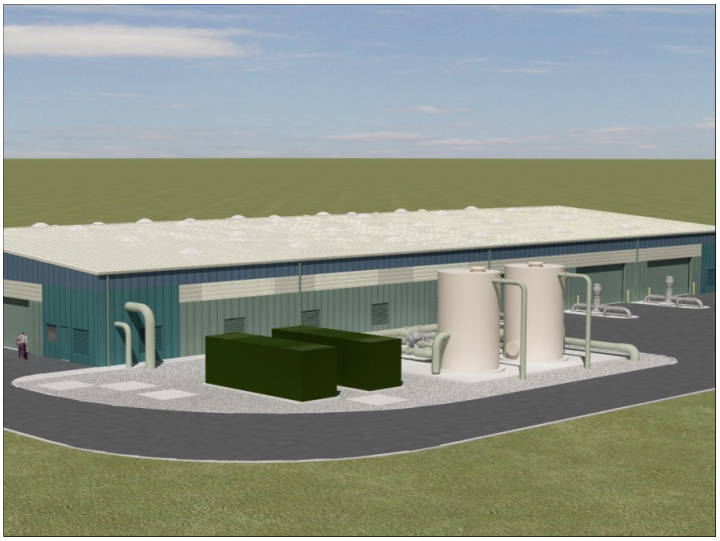
SCVWD Water Utility Enterprise Fund	10,917
South County Regional Wastewater Authority	708
United States Bureau of Reclamation (USBR) ARRA	1,400
United States Bureau of Reclamation (USBR)	1,100
Total	**14,125**

OPERATING COST IMPACTS

Estimated District share of the operating and maintenance costs are $8,000 per year for the Immediate-Term phase, beginning in FY 2007 and an additional $20,000 for the Short-Term phase, beginning in FY 2013. Increases for Immediate Term are primarily labor costs for operating the new 3mg reservoir and its pump station. Increases for Short Term are labor and materials to maintain the 42,000 feet of new pipeline, exercising valves and cathodic protection.

USEFUL LIFE: Pipelines – 50 Year; Pumps – 20 Years

Project	**South Bay Advanced Recycled Water Treatment Plant**
Program	Water Supply – Recycled Water
Priority No.	17
Project No.	91184008
District Contact	Katherine Oven koven@valleywater.org



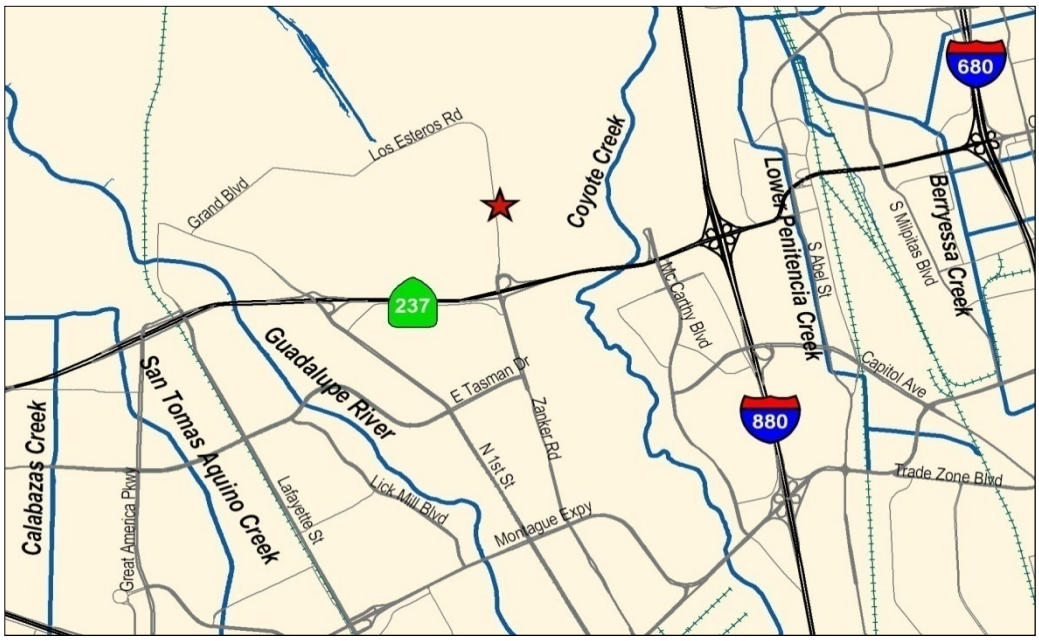
Proposed process structure housing advanced recycled water treatment equipment

PROJECT DESCRIPTION

This project plans, designs, and constructs a 8-mgd (million-gallons-per-day) Recycled Water Advanced Treatment Facility within the footprint of the South Bay Water Recycling's Water Pollution Control Plant (WPCP) in San Jose, to accomplish the following objectives:

- Improve recycled water quality to enhance marketability.
- Increase the operational reliability and flexibility of recycled water.
- Retain existing customers who may have water quality (especially salinity) issues.
- Improve public acceptance of recycled water.
- Maximize water recycling alternatives.
- Reduce fresh water effluent discharges into San Francisco Bay to protect endangered species.
- Increase tertiary treatment capacity for the water pollution control plant.
- Preserve options for future groundwater recharge and reuse.

PROJECT LOCATION



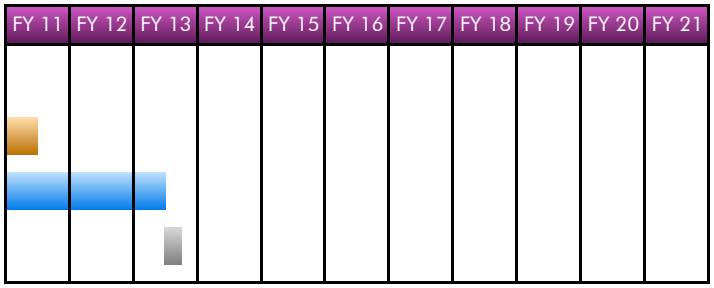
★ Project Location

SCHEDULE & STATUS

January 2004 to March 2013

Construction in FY 2011 begins with 6 months of early earth work.

Phase	Cost
Plan	2,273
Design	3,436
Construct	57,865
Closeout	50
	63,624



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91184008-South Bay Advanced Recycled Water Treatment Plant	5,443	38,400	18,911	870	0	0	0	0	63,624
with inflation	5,443	38,400	18,911	924	0	0	0	0	63,678

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91184008-South Bay Advanced Recycled Water Treatment Plant	6,649	37,680	486	18,425	924	0	0	0	0	63,678

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	38,088
City of San Jose	9,400
California Department of Water Resources	2,940
United States Bureau of Reclamation (USBR) ARRA	8,250
USBR Federal Allocation	5,000
Total	**63,678**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase the District's operating costs by approximately $1.75 million per year, beginning in FY 2013. The City of San Jose will also be responsible for contributing the same amount to cover total annual operations costs of approximately $3.5 million. Total cost includes labor, membranes replacement, energy, UV lamp replacement, chemicals, and other necessary items.

USEFUL LIFE: 20-30 Years

Project	**Water Efficient Demonstration Garden**
Program	Water Supply – Recycled Water
Priority No.	8
Project No.	91154006
District Contact	Keith Whitman kwhitman@valleywater.org

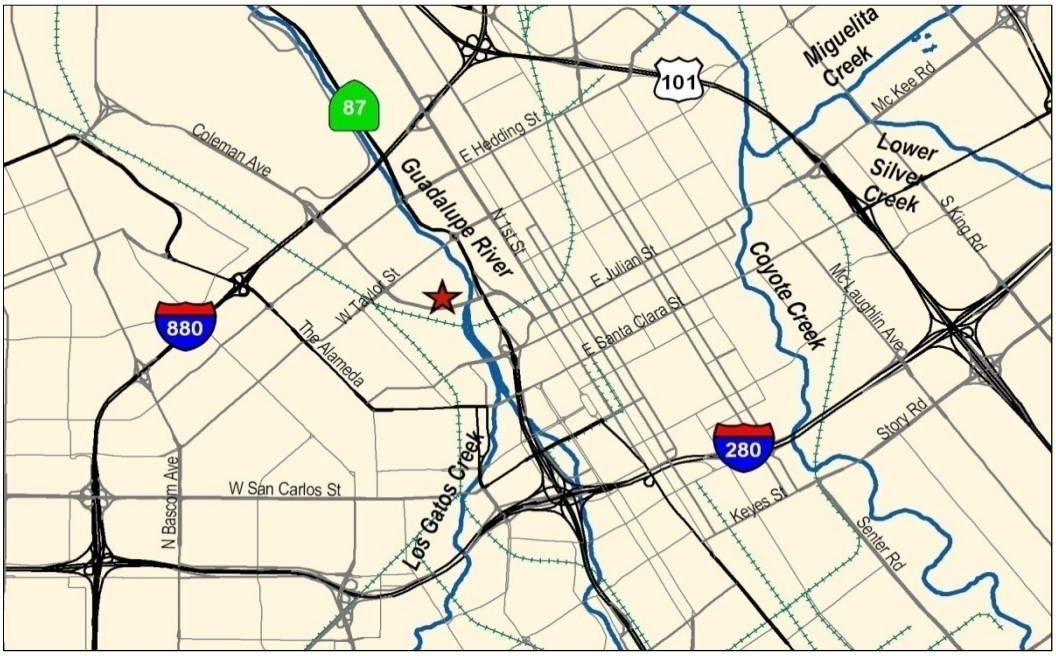
Proposed site for the District's Water Efficient Demonstration Garden, within Guadalupe Gardens in San Jose

PROJECT DESCRIPTION

This project designs and constructs improvements to approximately 1 acre of the Guadalupe Gardens, located at the northern portion of the site, extending from Seymour Street to Hobson Street, near Coleman Avenue, to accomplish the following:

- Design and develop a demonstration garden that promotes water use efficiency in landscaping.
- Create an educational resource, test facility, and learning center that provide environmentally sound and cost-effective landscaping alternatives.
- Educate the general public on the use of water wise plants, while promoting efficient irrigation technologies and recycled water.

PROJECT LOCATION



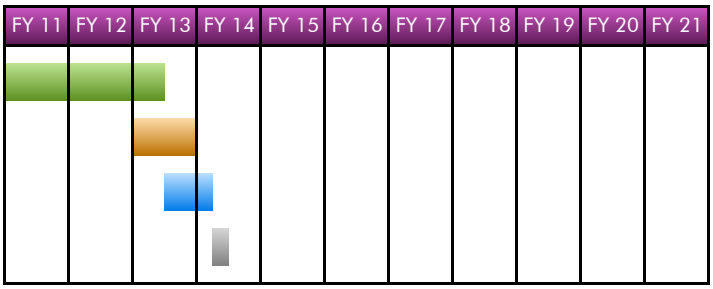
★ Project Location

SCHEDULE & STATUS

July 2008 to December 2013

Most of the planning phase was done in a separate project. This project was postponed indefinately by Board action due to funding constraints and will be reviewed in FY 2013.

Phase	Cost
Plan	1
Design	287
Construct	1,634
Closeout	52
	1,974



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91154006-Water Efficient Demonstration Garden	217	0	0	1,670	86	0	0	0	1,973
with inflation	217	0	0	1,772	95	0	0	0	2,084

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91154006-Water Efficient Demonstration Garden	1,969	0	1,752	0	20	95	0	0	0	2,084

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,084
Department of Water Resources	0
Total	**2,084**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2014. Increases are for ongoing maintenance of the garden.

USEFUL LIFE: 50+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

FLOOD PROTECTION OVERVIEW

The District manages approximately 800 miles of creeks in Santa Clara County to meet the Board's Ends Policy E–3, "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations." The district's goals are further defined in E-3.1, "Natural flood protection for residents, businesses, and visitors" and E-3.2, "Reduced potential for flood damages." The 800 miles of creeks are located in five watersheds; Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. The District administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Fifty years of working for flood protection has significantly reduced the intensity and frequency of flooding in Santa Clara County. By 2005 the District had provided flood protection to 93,253 of the 166,526 parcels in the flood plain and another 4,204 have been protected since then.

The voters in Santa Clara County have supported the District's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990. Also, in 2000, voters approved a special tax to fund the continuation of the District's flood protection capital improvements, specifically, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Lower Peninsula Watershed

Major Capital Improvements Completed

- Adobe Creek from Highway101 to Edith Avenue
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Palo Alto Flood Basin
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the CIP

- Permanente Creek from S.F. Bay to Foothill Expressway (Clean Safe Creeks project)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean Safe Creeks project)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Miller Avenue
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Calabazas Creek, Miller Avenue to Wardell Road (Clean Safe Creeks project)
- Sunnyvale East and West Channels (Clean Safe Creeks project)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River–Lower from Alviso Marina to Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper, Interstate 280 to Blossom Hill Road (Clean Safe Creeks project)

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Interstate 680 (Reaches 1-3)
- Wrigley Ford Creek

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean Safe Creeks project)
- Coyote Creek Montague Expressway to Interstate 280 (Clean Safe Creeks project)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive
- Lower Silver Creek from Interstate 680 to Lake Cunningham (Reaches 4-6)

Uvas/Llagas Watershed

Major Capital Improvements Completed

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper, Buena Vista Road to Wright Avenue (Clean Safe Creeks project)
- Llagas Creek Capacity Restoration Highway 152 to Pajaro River

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new flood protection projects proposed to be added to the Fiscal Year 2011/12 CIP reflect the Board's priorities. The priority criteria used are included in Appendix A.

A financial analysis of the Watershed and Steam Stewardship Fund and Clean Safe Creeks Fund, the funding sources for flood protection capital improvements, was conducted to determine if there are limitations to funding all of the projects proposed for the Fiscal Year 2011/12 CIP.

Results of the prioritization process and financial analysis are summarized in Appendix B.

The watersheds have benefited from ARRA Federal stimulus money, USACE earmarked funds to construct the last two bridges and complete the downtown portion of the Guadalupe River Project. The District will also receive $20.6 million from NRCS to help construct Lower Silver Creek, from I-680 to Lake Cunningham (Reaches 4-6).

For the past several years the District has made a concerted effort to reduce the watershed operations costs and believe that these reductions can be sustained over the next 5-10 years. However, the continued economic downturn has had a larger than expected impact on property tax revenue. The estimated actual revenue for FY 2010/11 is -2.7% below budget, revenue for FY 2011/12 is projected to fall by 2% (-2%), with a gradual return to a +3.6% growth in FY 2014/15 and beyond. This reduction in revenue will be offset by removing future years funding for construction of the Upper Penitencia Creek Project ($25.7 million in FY 2017-19) and early implementation of the San Francisco Bay Shoreline Project ($6 million in FY2019/20).

The following high priority flood protection projects, unfunded or partially funded, are of major concern to meet the Board's Ends Policy E–3, "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations."

Partially Funded CIP Projects

- San Francisco Bay Shoreline - Early Implementation (Construction is unfunded; $6 million in FY2019/20)
- Upper Penitencia Creek, Coyote to Dorel Drive (Construction is unfunded; $25.7 million in FY2017-19)
- San Francisco Bay Shoreline Project (Design and Construction is unfunded)
- Coyote Creek, Montague Expressway to Interstate 280 (Construction is unfunded)

FLOOD PROTECTION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2010/11.

Flood Protection Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	LOWER PENINSULA WATERSHED										
10104001s	Adobe Creek, El Camino to Rhus Ridge (Reach 1-13)	24,661	138	3	251	-	-	-	-	-	25,050
10244001s	Permanente Creek, SF Bay to Foothill Expressway	19,580	13,907	12,191	915	20,240	661	685	178	-	56,166
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam	6,174	441	96	2,536	5,048	3,083	-	-	-	17,282
	WEST VALEY WATERSHED										
26104001s	Calabazas Creek, Miller Avenue to Wardell Road	16,289	2,954	7,526	-	-	-	-	-	-	19,243
26074002	Sunnyvale East and West Channels	6,948	1,066	157	3,829	8,404	41,266	38,510	59	-	100,082
	GUADALUPE WATERSHED										
30154013s	Guadalupe River–Downtown, I-880 to I-280	105,075	471	6,032	371	-	-	-	-	-	105,917
26154001s	Guadalupe River–Upper, I-280 to Blossom Hill Road	86,986	17,891	17,146	11,005	7,817	4,161	2,390	-	-	130,250
	COYOTE WATERSHED										
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	11,583	335	4,596	107	7,850	278	289	166	-	20,608
40174004	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	28,833	7,883	1,814	479	1,804	264	274	10,374	1,768	51,679
26174043	Coyote Creek, Montague Expressway to Interstate 280	10,845	1,033	2,301	3,380	9,306	6,908	3,197	397	-	35,066
40264011	Lake Cunningham Improvements	101	-	-	391	2,847	5,629	-	-	-	8,968
40334005	Lower Penitencia Ck Capacity Restoration, Berryessa to Coyote Cks.	-	156	-	391	275	5,574	11	-	-	6,407
40264007s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	14,438	35,034	10	15,607	726	110	114	178	-	66,207
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	15,004	884	506	1,545	-	-	-	-	-	17,433
	UVAS LLAGAS WATERSHED										
50284010	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1,341	803	33	1,323	1,407	2,867	371	-	-	8,112
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	19,689	1,672	2,463	1,073	5,666	5,506	69	237	-	33,912
	MULTIPLE WATERSHEDS										
00044026s	San Francisco Bay Shoreline - Planning	11,433	236	1,525	584	-	-	-	-	-	12,253
	TOTAL	378,980	84,904	56,399	43,787	71,390	76,307	45,910	11,589	1,768	714,635

The following table shows funding requirements from each funding source for flood protection capital improvements.

Flood Protection – Funding Sources ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	Watershed Stream Stewardship Fund	224,381	47,846	10,029	20,942	7,060	14,444	770	10,552	1,768	327,763
	Clean, Safe Creeks and Natural Flood Protection Fund	154,599	37,058	46,370	22,845	64,330	61,863	45,140	1,037	0	386,872
	TOTAL	378,980	84,904	56,399	43,787	71,390	76,307	45,910	11,589	1,768	714,635

FY 2010/11 Funds to be reappropriated

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Project	**Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	33
Project No.	10104001s
District Contact	Melanie Richardson mrichardson@valleywater.org

Adobe Creek, approximately 1,000 feet upstream of El Camino Real. Invert stabilization structure constructed in 2005.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along Adobe Creek, El Camino Real to Rhus Ridge, to accomplish the following objectives:

- Provide protection against flooding and erosion.
- Improve sediment transport.
- Protect and enhance the creek ecosystem.
- Provide for fish passage.

This project is accounted for in the following job numbers:

- 10104001—Planning Study, from El Camino Real to Rhus Ridge (completed)
- 10104009—Reach 1-4, from El Camino Real to Foothill Expressway (completed)
- 10104005—Reach 5 from Foothill Expressway to West Edith (completed)
- 10104011—Upper Reach 5 Restoration
- 10104008—Reach 7–9 from Burke Road to Interstate 280 (planning/design complete - no construction)
- 10104007—Reach 11–13 from Foothill College to Rhus Ridge (cancelled)

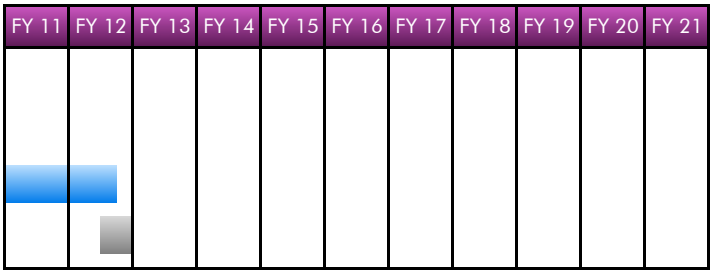
PROJECT LOCATION

PROJECT SCHEDULE

July 1991 to April 2012

Planning and design phases are complete. Construction includes 3 years of plant establishment monitoring.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
10104001-Adobe Ck, Planning, El Camino to Rhus	3,199	0	0	0	0	0	0	0	3,199
with inflation	3,199	0	0	0	0	0	0	0	3,199
10104009-Adobe Ck, El Camino to Foothill (R1-4)	9,742	0	0	0	0	0	0	0	9,742
with inflation	9,742	0	0	0	0	0	0	0	9,742
10104005-Adobe Ck, Foothill to W. Edith (R5)	3,111	0	0	0	0	0	0	0	3,111
with inflation	3,111	0	0	0	0	0	0	0	3,111
10104011-Adobe Ck, Upper Reach 5 Restoration	7,174	142	254	0	0	0	0	0	7,570
with inflation	7,174	142	254	0	0	0	0	0	7,570
10104008-Adobe Ck, Burke Road to I-280 (R7-9)	1,296	0	0	0	0	0	0	0	1,296
with inflation	1,296	0	0	0	0	0	0	0	1,296
10104007-Adobe Ck, Foothill to Rhus (R11-13)	132	0	0	0	0	0	0	0	132
with inflation	132	0	0	0	0	0	0	0	132
TOTAL	**24,654**	**142**	**254**	**0**	**0**	**0**	**0**	**0**	**25,050**
with inflation	**24,654**	**142**	**254**	**0**	**0**	**0**	**0**	**0**	**25,050**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
10104001-Adobe Ck, Planning, El Camino to Rhus	3,199	0	0	0	0	0	0	0	0	3,199
10104009-Adobe Ck, El Camino to Foothill (R1-4)	9,742	0	0	0	0	0	0	0	0	9,742
10104005-Adobe Ck, Foothill to W. Edith (R5)	3,111	0	0	0	0	0	0	0	0	3,111
10104011-Adobe Ck, Upper Reach 5 Restoration	7,181	138	3	251	0	0	0	0	0	7,570
10104008-Adobe Ck, Burke Road to I-280 (R7-9)	1,296	0	0	0	0	0	0	0	0	1,296
10104007-Adobe Ck, Foothill to Rhus (R11-13)	132	0	0	0	0	0	0	0	0	132
TOTAL	**24,661**	**138**	**3**	**251**	**0**	**0**	**0**	**0**	**0**	**25,050**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	24,988
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	62
Total	**25,050**

OPERATING COST IMPACTS

Operating budget impacts from construction of this project are expected to be insignificant. Repair of several erosion sites will reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 30+ Years

Project	**Permanente Creek, San Francisco Bay to Foothill Expressway**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	94
Project No.	10244001s
District Contact	Melanie Richardson mrichardson@valleywater.org

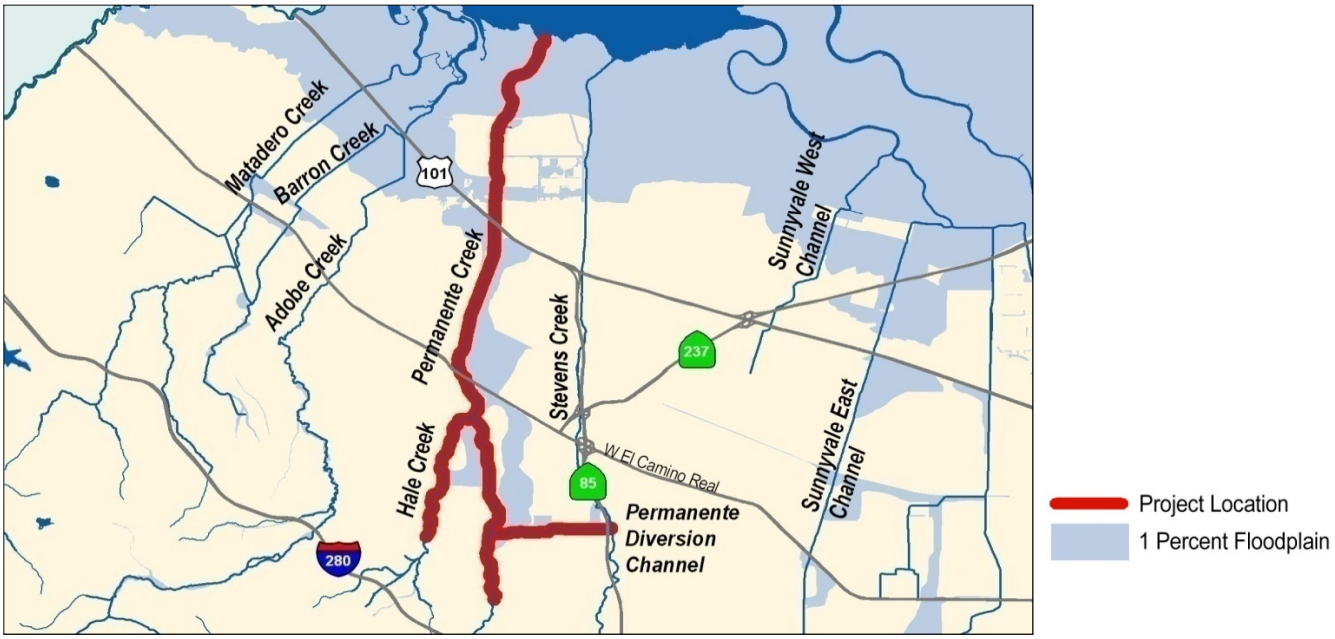
Permanente Creek, looking upstream at the golf course foot bridge

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

PROJECT LOCATION

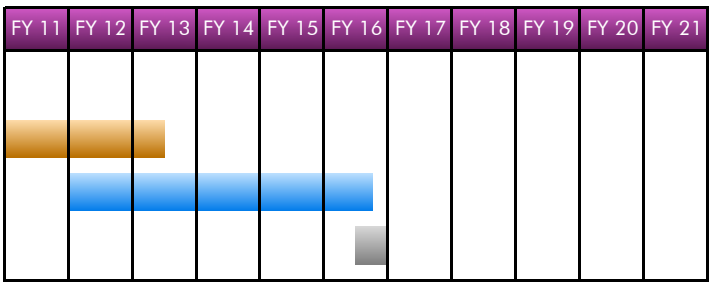


PROJECT SCHEDULE

July 2001 to June 2016

Construction includes two contract phases and three years of plant establishment monitoring.

Phase	Cost
Plan	12,206
Design	10,619
Construct	31,942
Closeout	60
	54,827



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
10244001-Permanente Ck, Bay to Foothill Expwy – Lower Peninsula Fund	17,263	88	0	10	0	0	0	0	17,361
with inflation	17,263	88	0	11	0	0	0	0	17,362
26244001-Permanente Ck, Bay to Foothill Expwy – Clean, Safe Creeks Fund	2,215	1,730	13,096	19,075	600	600	150	0	37,466
with inflation	2,215	1,730	13,096	20,239	661	685	178	0	38,803
TOTAL	19,478	1,818	13,096	19,085	600	600	150	0	54,827
with inflation	19,478	1,818	13,096	20,249	661	685	178	0	56,165

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
10244001-Permanente Ck, Bay to Foothill Expwy – Lower Peninsula Fund	17,321	40	10	0	1	0	0	0	0	17,362
26244001-Permanente Ck, Bay to Foothill Expwy – Clean, Safe Creeks Fund	2,259	13,867	12,181	915	20,239	661	685	178	0	38,803
TOTAL	19,580	13,907	12,191	915	20,239	661	685	178	0	56,165

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	17,362
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	38,803
Total	56,165

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Increases in operations and maintenance costs include sediment removal at three flood detention sites, and bypass channel inlet and outlet operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**San Francisquito Creek, San Francisco Bay through Searsville Dam**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	79
Project No.	10284007s
District Contact	Melanie Richardson mrichardson@valleywater.org

San Francisquito Creek, looking downstream from the Waverly Street Bicycle Bridge between Middlefield Road and El Camino.

PROJECT DESCRIPTION

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam, to accomplish the following objectives:

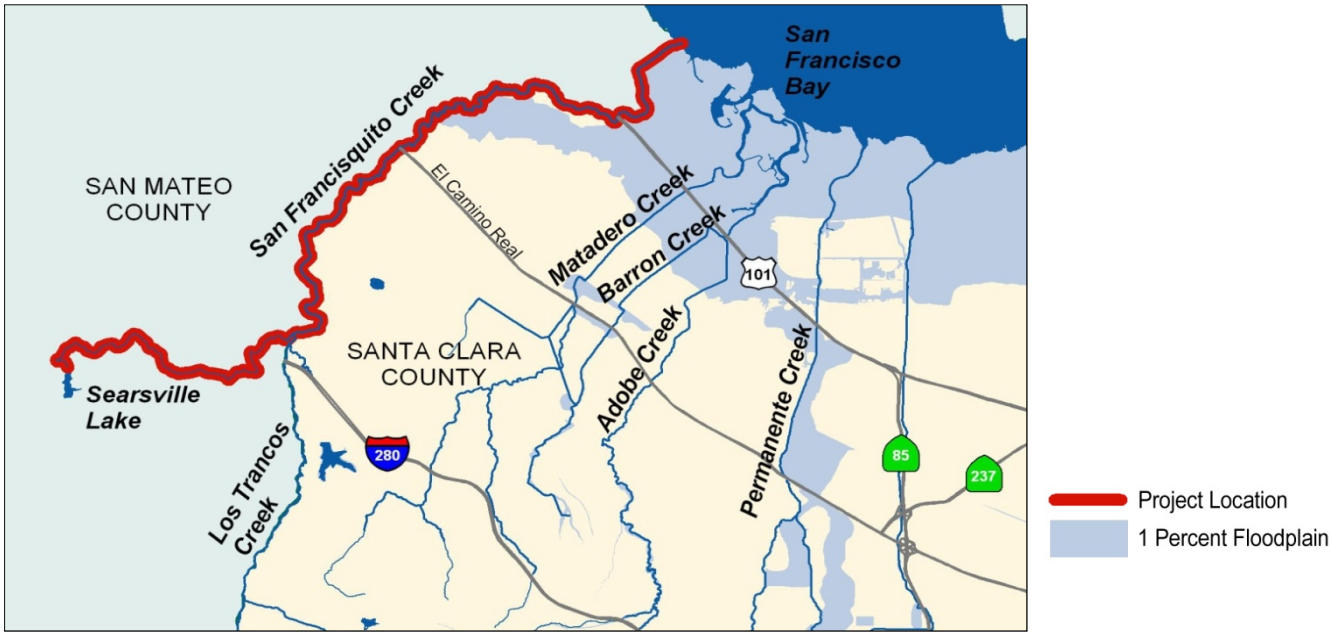
- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.
- Develop public support for the preferred alternative.

This project is primarily funded through the planning and design phases only. Funding sources for a small early implementation construction project will be determined upon completion of its planning and design phases.

This project is accounted for in the following job numbers:

- 10284007 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Lower Peninsula
- 10284008 – San Francisquito Creek, Early Implementation, Lower Peninsula
- 26284001 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Clean Safe Creeks
- 26284002 – San Francisquito Creek, Early Implementation, Clean Safe Creeks

PROJECT LOCATION



PROJECT SCHEDULE

June 2003 to June 2016

(Planning & Partial Design Phases Only)

Phase	Cost	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Plan	6,401											
Design	-											
Construct	-											
Closeout	-											
	6,401											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
10284007-San Francisquito Ck, Bay-Searsville Dam	3,076	1,747	0	0	0	0	0	0	4,823
with inflation	3,076	1,747	0	0	0	0	0	0	4,823
10284008-San Francisquito Ck, Early Implement	1,362	334	0	0	0	0	0	0	1,696
with inflation	1,362	334	0	0	0	0	0	0	1,696
26284001-San Francisquito Ck, Bay-Searsville Dam	0	0	1,266	2,734	2,800	0	0	0	6,800
with inflation	0	0	1,266	2,903	3,083	0	0	0	7,252
26284002-San Francisquito Ck, Early Implement	0	0	1,270	2,020	0	0	0	0	3,290
with inflation	0	0	1,270	2,145	0	0	0	0	3,415
TOTAL	**4,438**	**2,081**	**2,536**	**4,754**	**2,800**	**0**	**0**	**0**	**16,609**
with inflation	**4,438**	**2,081**	**2,536**	**5,048**	**3,083**	**0**	**0**	**0**	**17,187**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
10284007-San Francisquito Ck, Bay-Searsville Dam	4,871	47	95	0	0	0	0	0	0	4,918
10284008-San Francisquito Ck, Early Implement	1,303	394	1	0	0	0	0	0	0	1,697
26284001-San Francisquito Ck, Bay-Searsville Dam	0	0	0	1,266	2,903	3,083	0	0	0	7,252
26284002-San Francisquito Ck, Early Implement	0	0	0	1,270	2,145	0	0	0	0	3,415
TOTAL	**6,174**	**441**	**96**	**2,536**	**5,048**	**3,083**	**0**	**0**	**0**	**17,283**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $95,000 in project No. 10284007. Excess funding will be returned to reserves upon completion of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	6,615
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	10,668
Total	**17,283**
Federal Partner–Corps of Engineers	3,000
County Partner–County of San Mateo	1,500

County and Corps participation are for Feasibility Study activities only.
Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

Predominantly Planning and Design Phases only, so no operating budget impacts are expected from those phases; however, operating budget impacts for the small construction project will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Calabazas Creek, Miller Avenue to Wardell Road**
Program	Flood Protection – West Valley Watershed
Priority No.	42
Project No.	26104001s
District Contact	Melanie Richardson mrichardson@valleywater.org

Calabazas Creek overtops its banks in February 1986 near Miller Avenue, flooding neighborhood streets.

PROJECT DESCRIPTION

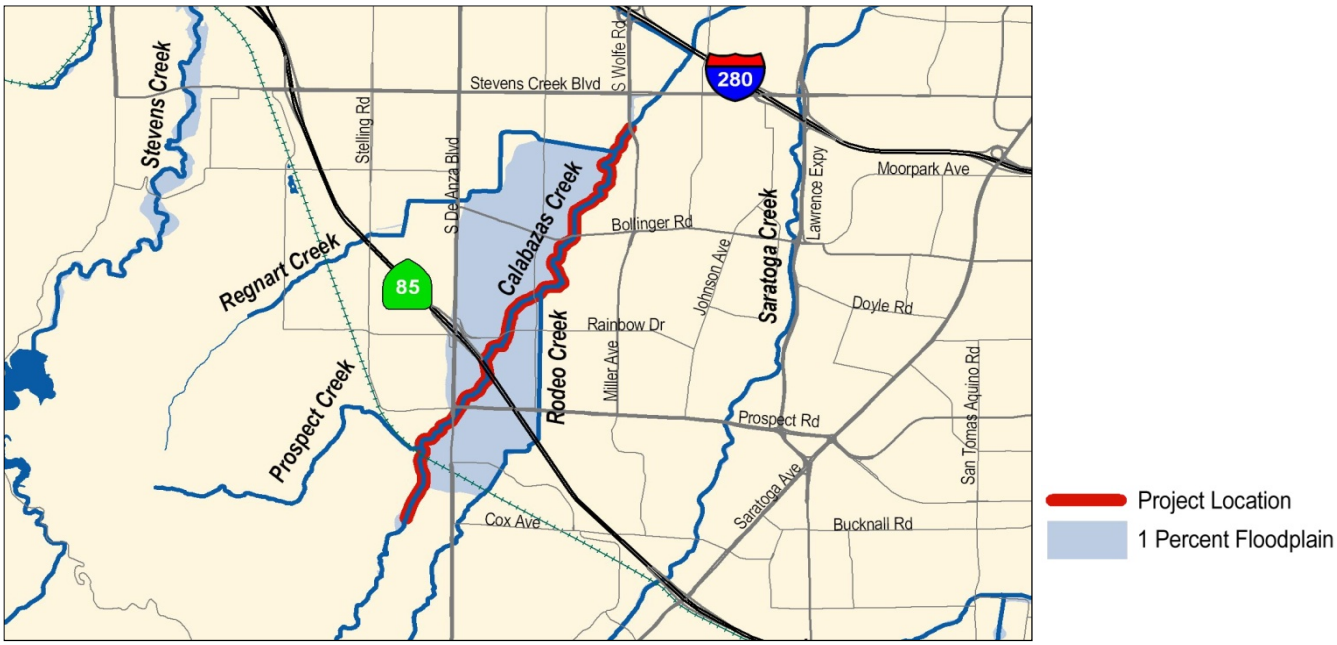
This project plans, design, and constructs improvements along 3.3 miles of Calabazas Creek from Miller Avenue to Wardell Road to accomplish the following objectives:

- Provide one-percent flood protection on Calabazas Creek from Miller Avenue to Wardell Road.
- Reduce erosion, sedimentation, and maintenance costs.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.

This project is accounted for in the following job numbers:

- 26104001—Calabazas Creek, Miller Avenue to Wardell Road
- 20104019—Calabazas Creek, UPRR Bridge Construction

PROJECT LOCATION

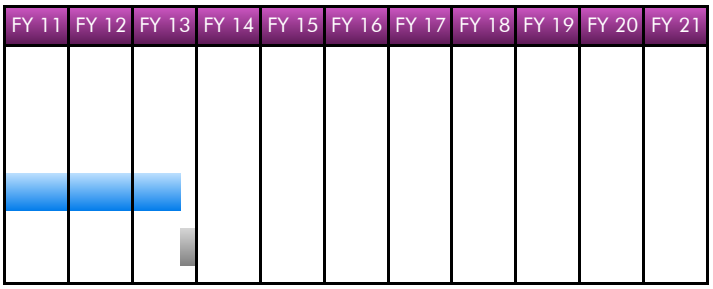


SCHEDULE & STATUS

December 2003 to June 2013

Planning phase is complete. Design phase is complete. Construction phase includes 3 years of plant establishment monitoring.

Phase	Cost
Plan	6,205
Design	2,016
Construct	5,021
Closeout	85
	13,327



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26104001-Calabazas Creek, Miller Avenue to Wardell Road	8,752	1,205	1,205	405	0	0	0	0	11,567
with inflation	8,752	1,205	1,205	430	0	0	0	0	11,592
20104019-Calabazas Creek, UPRR Bridge Construction	0	1,760	0	0	0	0	0	0	1,760
with inflation	0	1,760	0	0	0	0	0	0	1,760
TOTAL	**8,752**	**2,965**	**1,205**	**405**	**0**	**0**	**0**	**0**	**13,327**
with inflation	**8,752**	**2,965**	**1,205**	**430**	**0**	**0**	**0**	**0**	**13,352**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26104001-Calabazas Creek, Miller Avenue to Wardell Road	16,289	1,194	7,526	0	0	0	0	0	0	17,483
20104019-Calabazas Creek, UPRR Bridge Construction	0	1,760	0	0	0	0	0	0	0	1,760
TOTAL	**16,289**	**2,954**	**7,526**	**0**	**0**	**0**	**0**	**0**	**0**	**19,243**

Adjusted Budget includes adopted budget plus approved budget adjustments. Project Funding exceeds planned expenditures by $5,891,000. Unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	17,483
Other Funding Source	0
Total	**17,483**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease the operating costs. The new channel structure will be very similar to the original structure.

USEFUL LIFE: 30+ Years

Project	Sunnyvale East and West Channels Improvement
Program	Flood Protection – West Valley Watershed
Priority No.	80
Project No.	26074002
District Contact	Melanie Richardson mrichardson@valleywater.org

Sunnyvale West Channel looking upstream from Java Drive

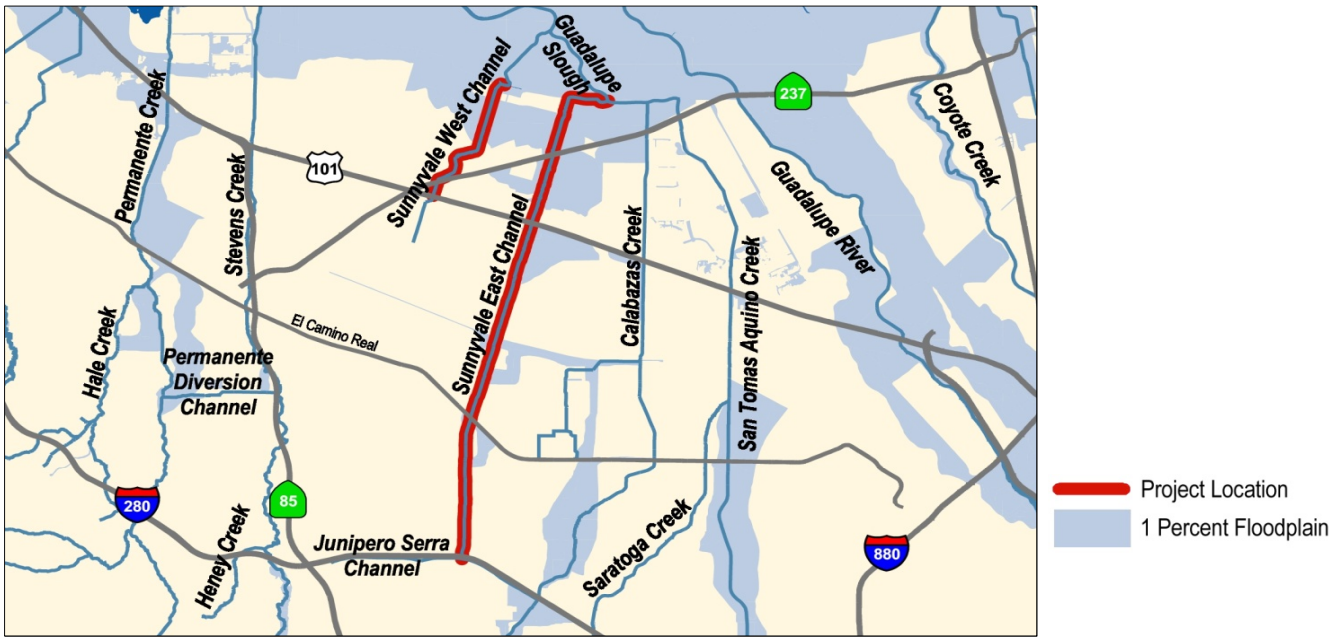
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, and 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection to over 1,600 parcels along Sunnyvale East and West Channels.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion, sedimentation, and maintenance costs.
- Protect fish and wildlife habitat.

The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning, design and construction phases for both projects will be performed as a single effort.

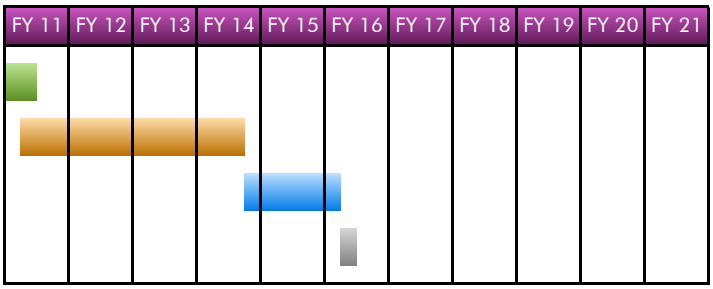
PROJECT LOCATION



SCHEDULE & STATUS

March 2006 to December 2015

Phase	Cost
Plan	7,865
Design	15,442
Construct	68,310
Closeout	50
	91,667



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26074002-Sunnyvale East and West Channels Improvement	5,196	2,661	3,986	7,914	37,705	34,155	50	0	91,667
with inflation	5,196	2,661	3,986	8,404	41,266	38,510	59	0	100,082

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26074002-Sunnyvale East and West Channels Improvement	6,948	1,066	157	3,829	8,404	41,266	38,510	59	0	100,082

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	100,082
Other Funding Source	0
Total	100,082

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2016. Increases in operations and maintenance costs include graffiti removal, mowing and weed control under the levees, and for operation and maintenance of the Pond A4 detention basin.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River—Downtown, Interstate 880 to Interstate 280**
Program	Flood Protection – Guadalupe Watershed
Priority No.	77
Project No.	30154013s
District Contact	Melanie Richardson mrichardson@valleywater.org

West bank of the Guadalupe River, looking upstream from the Coleman Bridge, in September 2005

PROJECT DESCRIPTION

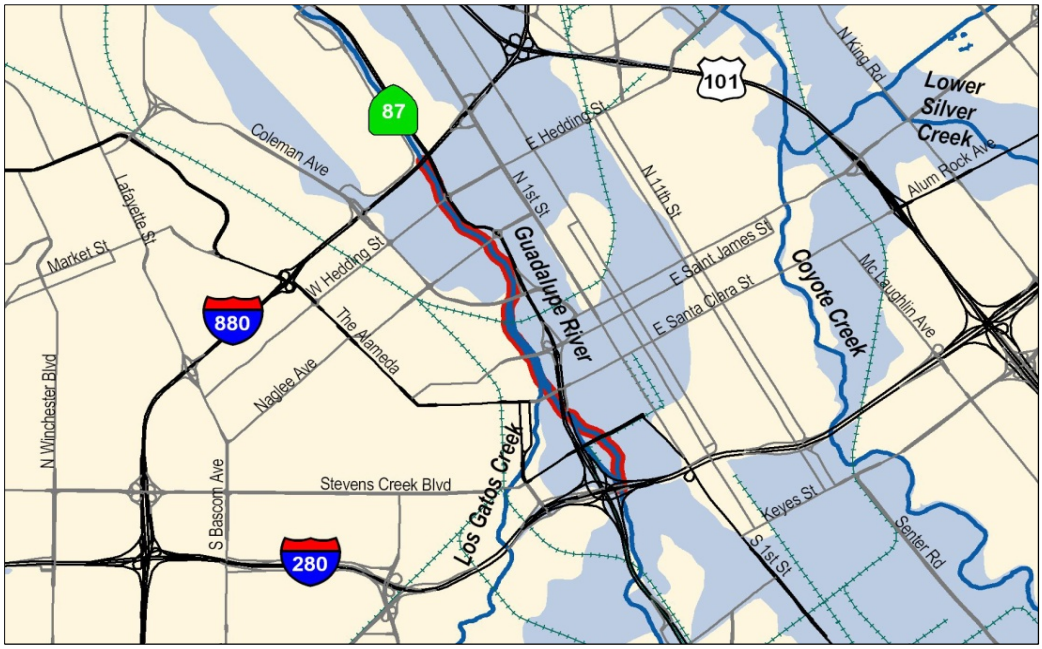
This project partners with the U.S. Army Corps of Engineers (Corps), State of California, City of San Jose, and San Jose Redevelopment Agency to plan, design, and construct improvements along 2.6 miles of the Guadalupe River, from Interstate 880 to Interstate 280, to accomplish the following objectives:

- Provide one-percent flood protection to downtown San Jose's technology and commercial industries and residential neighborhoods.
- Protect and improve water quality of the river.
- Preserve and enhance the river's habitat, fish and wildlife.
- Provide recreational and open space benefits in cooperation with the Corps, City of San Jose, and San Jose Redevelopment Agency.

This project is accounted for in the following job numbers:

- 30154013—Interstate 880 to Heading
- 30154014—Hedding to Coleman
- 30154015—Coleman to Santa Clara
- 30154016—Santa Clara to Park
- 30154017—Woz Way to Interstate 280
- 30154018—Guadalupe River, Escrow

PROJECT LOCATION



Project Location
1 Percent Floodplain

PROJECT SCHEDULE

March 1990 to June 2012

Planning, design and most of the planned construction is complete.

Phase	Cost	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	n/a											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
30154013-Guadalupe Rv—DT, I-880 to Hedding	1,217	42	566	0	0	0	0	0	1,825
with inflation	1,217	42	566	0	0	0	0	0	1,825
30154014-Guadalupe Rv—DT, Hedding-Coleman	10,400	16	395	0	0	0	0	0	10,811
with inflation	10,400	16	395	0	0	0	0	0	10,811
30154015-Guadalupe Rv—DT, Coleman-W. SC	28,936	1,043	5,123	0	0	0	0	0	35,102
with inflation	28,936	1,043	5,123	0	0	0	0	0	35,102
30154016-Guadalupe Rv—DT, W. SC to Park	11,024	730	0	0	0	0	0	0	11,754
with inflation	11,024	730	0	0	0	0	0	0	11,754
30154017-Guadalupe Rv—DT, Woz to I-280	9,567	525	0	0	0	0	0	0	10,092
with inflation	9,567	525	0	0	0	0	0	0	10,092
30154018-Guadalupe Rv—DT, Escrow	36,014	0	0	0	0	0	0	0	36,014
with inflation	36,014	0	0	0	0	0	0	0	36,014
TOTAL	97,158	2,356	6,084	0	0	0	0	0	105,598
with inflation	97,158	2,356	6,084	0	0	0	0	0	105,598

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
30154013-Guadalupe Rv—DT, I-880 to Hedding	1,813	0	554	12	0	0	0	0	0	1,825
30154014-Guadalupe Rv—DT, Hedding-Coleman	10,804	0	388	7	0	0	0	0	0	10,811
30154015-Guadalupe Rv—DT, Coleman-W. SC	34,279	471	4,771	352	0	0	0	0	0	35,102
30154016-Guadalupe Rv—DT, W. SC to Park	11,942	0	188	0	0	0	0	0	0	11,942
30154017-Guadalupe Rv—DT, Woz to I-280	10,093	0	1	0	0	0	0	0	0	10,093
30154018-Guadalupe Rv—DT, Escrow	36,144	0	130	0	0	0	0	0	0	36,144
TOTAL	105,075	471	6,032	371	0	0	0	0	0	105,917

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is $319,000 more than planned expenditures. Unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	75,320
State of California	28,943
City of San Jose	1,654
City of San Jose Redevelopment Agency	10,208
Corps of Engineers - ARRA	0
Total	105,917
Federal Partner–Corps of Engineers	170,500

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $450,000 per year, with approximately $150,000 beginning in FY 2009 and the remaining $300,000 beginning in FY 2012. Increased costs are primarily due to increased channel width and adaptive management and monitoring costs described in the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection – Guadalupe Watershed
Priority No.	77
Project No.	26154001s
District Contact	Melanie Richardson mrichardson@valleywater.org

Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge

PROJECT DESCRIPTION

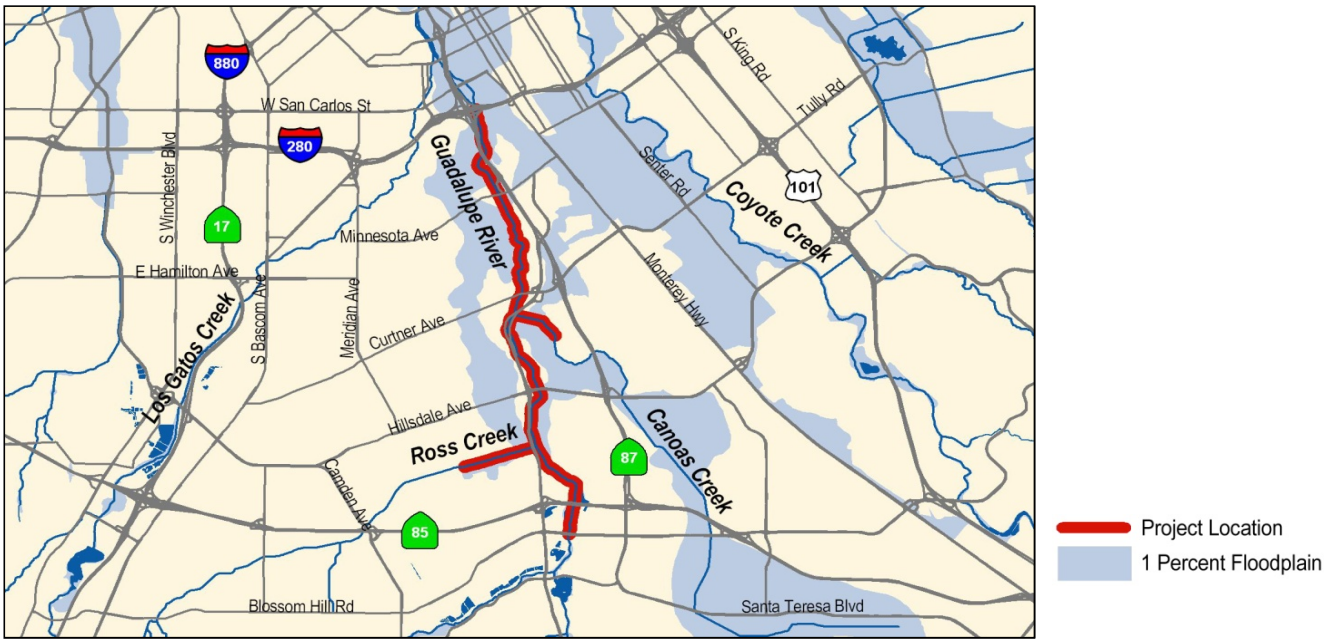
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide one-percent flood protection to nearly 7,000 parcels along the Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Provide opportunity to incorporate a continuous 6-mile trail by connecting the trail at Interstate 280 to the Alamitos Creek trail.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following job numbers:

- 26154001—Fish Passage Modification
- 26154002—I-280 to Southern Pacific Railroad Bridge (Reach 6)
- 26154003—Southern Pacific Railroad Bridge to Blossom Hill Road (Reach 7-12)

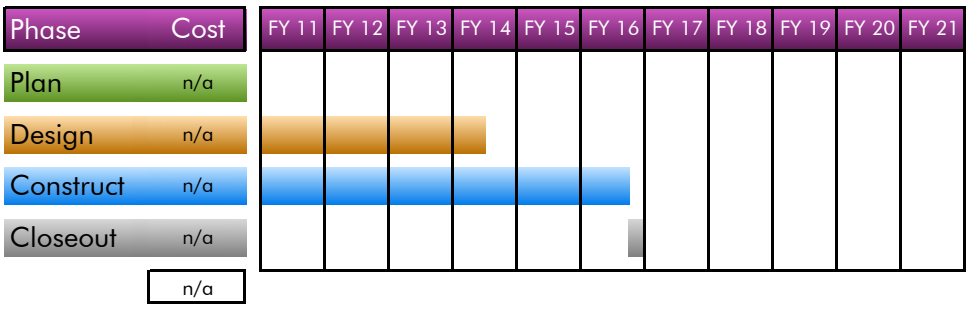
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to June 2016

Planning phase is complete. Design and construction of eight individual reaches are being done sequentially.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26154001-Guadalupe Rv—Upr, Fish Passage Mods	2,651	0	0	0	0	0	0	0	2,651
with inflation	2,651	0	0	0	0	0	0	0	2,651
26154002-Guadalupe Rv—Upr, I-280 to SPRR (R6)	28,353	1,411	1,471	604	336	336	429	0	32,940
with inflation	28,353	1,411	1,471	641	370	384	508	0	33,138
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	25,375	22,054	20,505	7,366	3,805	2,120	0	0	81,225
with inflation	25,375	22,054	20,505	7,817	4,161	2,390	0	0	82,301
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	64,266	23,465	21,976	7,970	4,141	2,456	429	0	124,703
with inflation	64,266	23,465	21,976	8,458	4,531	2,773	508	0	125,977

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26154001-Guadalupe Rv—Upr, Fish Passage Mods	2,651	0	0	0	0	0	0	0	0	2,651
26154002-Guadalupe Rv—Upr, I-280 to SPRR (R6)	36,709	701	7,646	0	0	0	0	0	0	37,410
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	39,739	17,190	9,500	11,005	7,817	4,161	2,390	0	0	82,301
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	86,986	17,891	17,146	11,005	7,817	4,161	2,390	0	0	130,249

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by $4,272,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	79,449
State of California	47,024
City of San Jose	3,776
Corps Reimbursement	9,500
Total	130,249
Federal Partner–Corps of Engineers	40,200

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $480,000 per year, beginning in FY 2017, for mitigation and monitoring labor and equipment, implementation of adaptive management measures, and operations and maintenance in accordance with the Corps Operations and Maintenance Manual.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Calaveras Boulevard to Old Piedmont Road**
Program	Flood Protection – Coyote Watershed
Priority No.	53
Project No.	26174041s
District Contact	Melanie Richardson mrichardson@valleywater.org

Berryessa Creek near flood stage at Piedmont Road in San Jose.

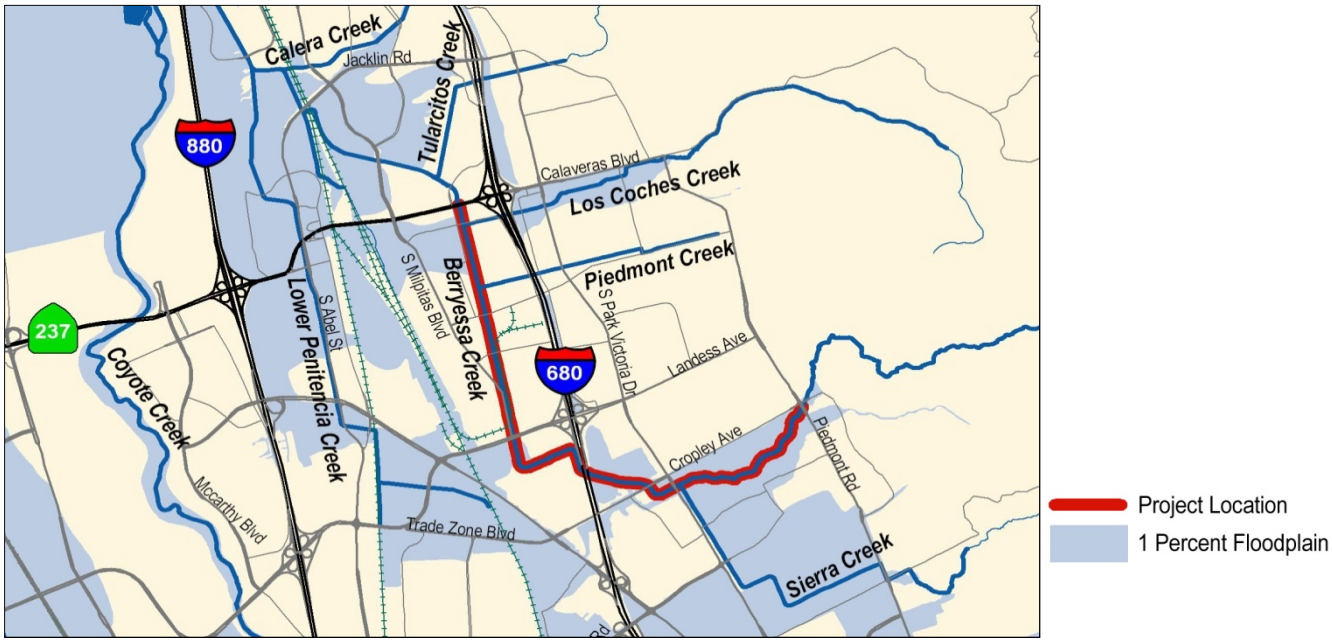
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.3 miles of Berryessa Creek, from Calaveras Boulevard to Old Piedmont Road, to accomplish the following objectives:

- Provide one-percent flood protection to more than 2,900 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Identify opportunities to integrate recreation improvements consistent with the Cities of San Jose's and Milpitas' Trail Master Plans.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection Program Objectives.

This project is accounted for in the following job numbers:
26174041—Coordination with Corps
26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

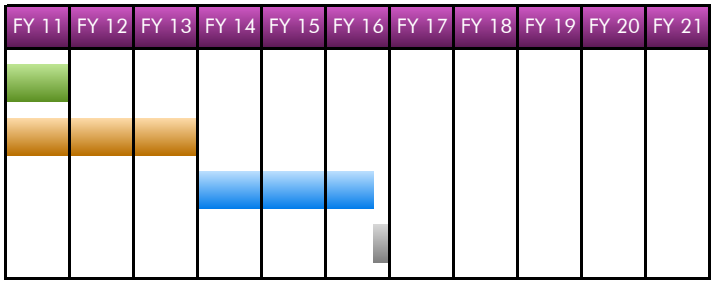
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to June 2016

Phase	Cost
Plan	6,592
Design	875
Construct	12,246
Closeout	110
	19,823



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26174041-Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	5,071	1,520	143	2,490	90	90	65	0	9,469
with inflation	5,071	1,520	143	2,642	99	103	77	0	9,655
26174042-Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	621	110	259	8,963	163	163	75	0	10,354
with inflation	621	110	259	9,509	179	186	89	0	10,953
TOTAL	**5,692**	**1,630**	**402**	**11,453**	**253**	**795**	**446**	**0**	**19,823**
with inflation	**5,692**	**1,630**	**402**	**12,151**	**279**	**289**	**166**	**0**	**20,608**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26174041-Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	6,412	215	36	107	2,642	99	103	77	0	9,655
26174042-Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	5,171	120	4,560	0	5,208	179	186	89	0	10,953
TOTAL	**11,583**	**335**	**4,596**	**107**	**7,850**	**279**	**289**	**166**	**0**	**20,608**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	14,209
State of California	6,399
Total	**20,608**
Federal Partner–Corps of Engineers	20,400

OPERATING COST IMPACTS

Estimated operating impacts will be available upon completion of the planning phase.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard**
Program	Flood Protection – Coyote Watershed
Priority No.	67
Project No.	40174004
District Contact	Melanie Richardson mrichardson@valleywater.org

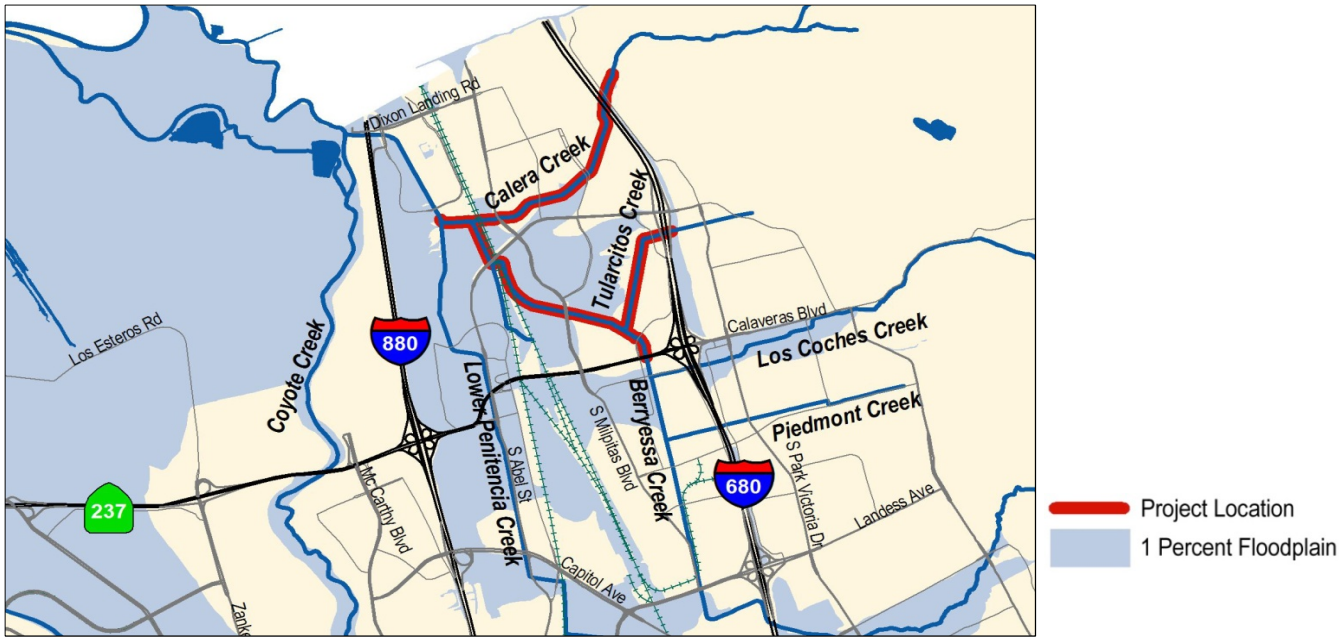
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 3 miles of Berryessa Creek and its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard and the lower reaches of both Calera and Tularcitos Creeks, to accomplish the following objectives:

- Provide one-percent flood protection to the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for District staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

PROJECT LOCATION

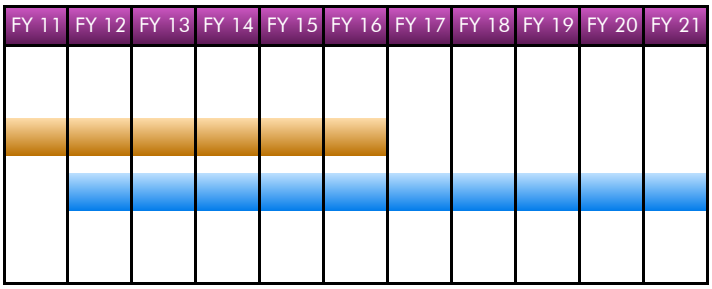


SCHEDULE & STATUS

March 2001 to December 2021

Planning is complete. Construction includes three phases and three years of plant establishment monitoring.

Phase	Cost
Plan	6,850
Design	1,730
Construct	41,078
Closeout	47
	49,705



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	20,747	14,155	2,293	1,700	240	240	8,935	1,395	49,705
with inflation	20,747	14,155	2,293	1,804	264	274	10,374	1,768	51,679

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	28,833	7,883	1,814	479	1,804	264	274	10,374	1,768	51,679

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	51,679
Other Funding Source	0
Total	51,679

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $100,000 per year. Operating costs will increase with completion of construction of each of 3 phases: beginning with a $50,000 increase in FY 2013 (with completion of Phase 1), increasing to $65,000 in FY 2015 (Phase 2), and finally increasing to $100,000 in FY 2017 (Phase 3). These costs will be for increased maintenance activities such as sediment removal, vegetation management, levee maintenance, graffiti abatement, and trash & debris cleanup.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Interstate 280**
Program	Flood Protection – Coyote Watershed
Priority No.	59
Project No.	26174043
District Contact	Melanie Richardson mrichardson@valleywater.org

Flooding from Coyote Creek on 17th Street near downtown San Jose in January 1997

PROJECT DESCRIPTION

This project plans, designs, and partially constructs improvements along approximately 6.1 miles of Coyote Creek, from Montague Expressway to Interstate 280, to accomplish the following objectives:

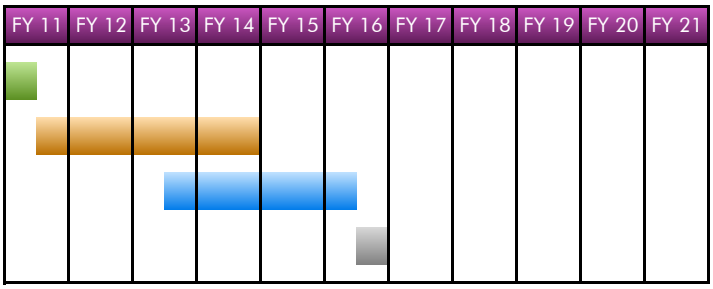
- Provide flood protection to the surrounding area.
- Mitigate for project impacts to stream habitat and fisheries.
- Identify stream habitat enhancement and/or restoration opportunities.
- Identify opportunities to improve water quality within the project limits.
- Identify opportunities to provide for public recreation and access.
- Create a self-sustaining system within the project limits, to reduce long-term operations and maintenance costs.
- Obtain community support.

PROJECT LOCATION

SCHEDULE & STATUS

September 2002 to June 2016

Phase	Cost
Plan	8,774
Design	14,883
Construct	9,736
Closeout	66
	33,459



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26174043-Coyote Creek, Montague Expressway to Interstate 280	8,402	1,175	5,681	8,768	6,300	2,800	335	0	33,461
with inflation	8,402	1,175	5,681	9,306	6,908	3,197	397	0	35,066

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26174043-Coyote Creek, Montague Expressway to Interstate 280	10,845	1,033	2,301	3,380	9,306	6,908	3,197	397	0	35,066

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	35,066
Other Funding Source	0
Total	35,066

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Currently the District has limited and sporadic property rights within the project limits along the creek, and ongoing maintenance costs are relatively small. Project implementation may include acquisition of continuous right of way for construction and future operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**Lake Cunningham Improvements**
Program	Flood Protection – Coyote Watershed
Priority No.	54
Project No.	40264011
District Contact	Melanie Richardson mrichardson@valleywater.org

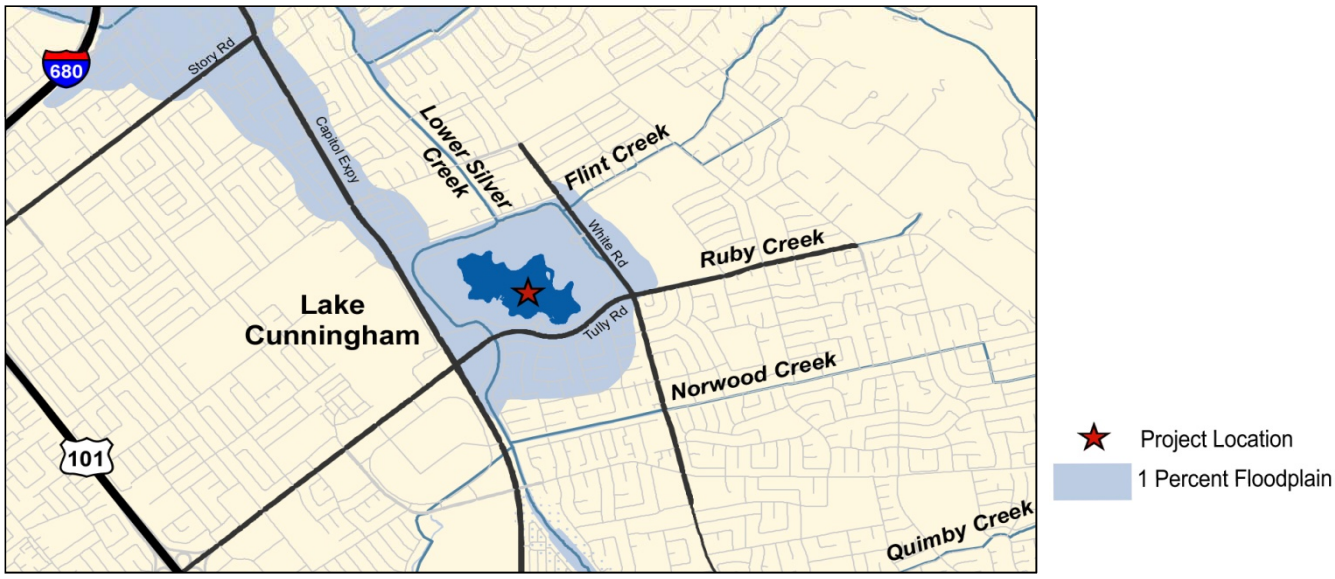
Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Lake Cunningham in the city of San Jose between Cunningham Avenue and Tully Road, to function as a detention basin and accomplish the following objectives:

- Provide one-percent flood protection to Lower Silver Creek between Coyote Creek and Cunningham Avenue.
- Obtain Letter of Map Revision from FEMA to remove at least 3,800 parcels from the 1% flood plain.

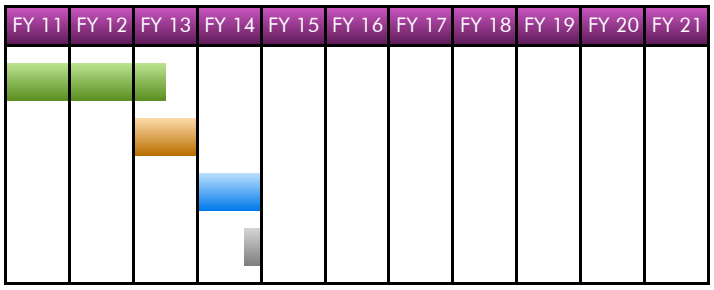
PROJECT LOCATION



SCHEDULE & STATUS

August 1999 to June 2014.

Phase	Cost
Plan	1,681
Design	1,491
Construct	5,126
Closeout	20
	8,318



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
40264011-Lake Cunningham Improvements	101	0	391	2,681	5,145	0	0	0	8,318
with inflation	101	0	391	2,847	5,629	0	0	0	8,968

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
40264011-Lake Cunningham Improvements	101	0	0	391	2,847	5,629	0	0	0	8,968

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	8,968
Other Funding Source	0
Total	8,968

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs. The project is within District jurisdiction and it is designed to minimize maintenance activities such as sediment removal, so as to have minimal or no additional impact to the operating budget.

USEFUL LIFE: 30+ Years

Project	**Lower Penitencia Creek, Coyote to Berryessa Creeks**
Program	Flood Protection – Coyote Watershed
Priority No.	54
Project No.	40334005
District Contact	Melanie Richardson mrichardson@valleywater.org

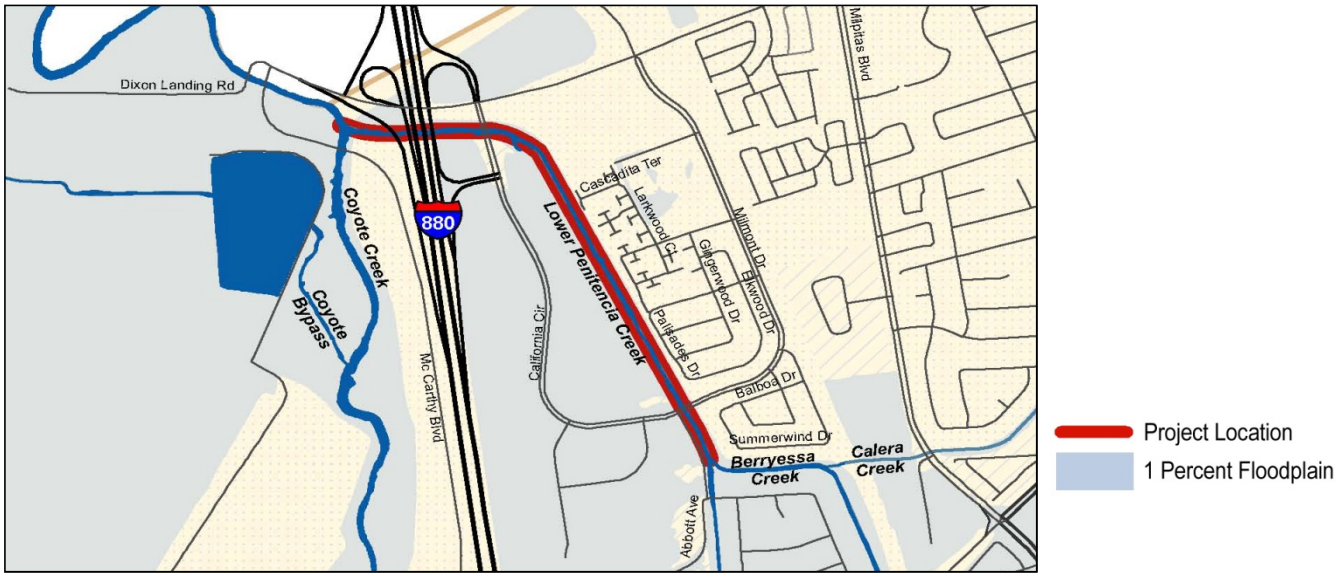
Lower Penitencia Creek, looking upstream from Abbot Avenue

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 1 mile of Lower Penitencia Creek from the downstream confluence with Coyote Creek to the upstream confluence with Lower Berryessa Creek, to accomplish the following objectives:

- Provide 1-percent flood protection along the creek.
- Identify opportunities for environmental enhancement, such as stream restoration, trails, parks, and open space for Board consideration.
- Minimize impacts to environmental resources and provide opportunities to protect and enhance existing riparian habitat

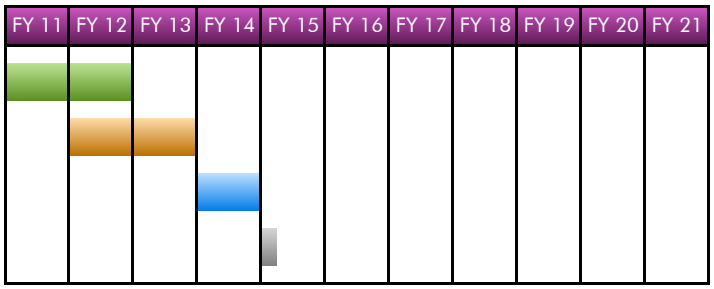
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to September 2014

Phase	Cost
Plan	406
Design	450
Construct	5,050
Closeout	10
	5,916



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
40334005-Lower Penitencia Creek, Coyote to Berryessa Creeks	0	156	391	259	5,100	10	0	0	5,916
with inflation	0	156	391	275	5,574	11	0	0	6,407

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
40334005-Lower Penitencia Creek, Coyote to Berryessa Creeks	0	156	0	391	275	5,574	11	0	0	6,407

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	6,407
Other Funding Source	0
Total	6,407

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 50 Years

Project	**Lower Silver Creek, I-680 to Cunningham Avenue (R4-6)**
Program	Flood Protection – Coyote Watershed
Priority No.	56
Project No.	40264007s
District Contact	Melanie Richardson mrichardson@valleywater.org

Lower Silver Creek looking upstream from Capital Expressway

PROJECT DESCRIPTION

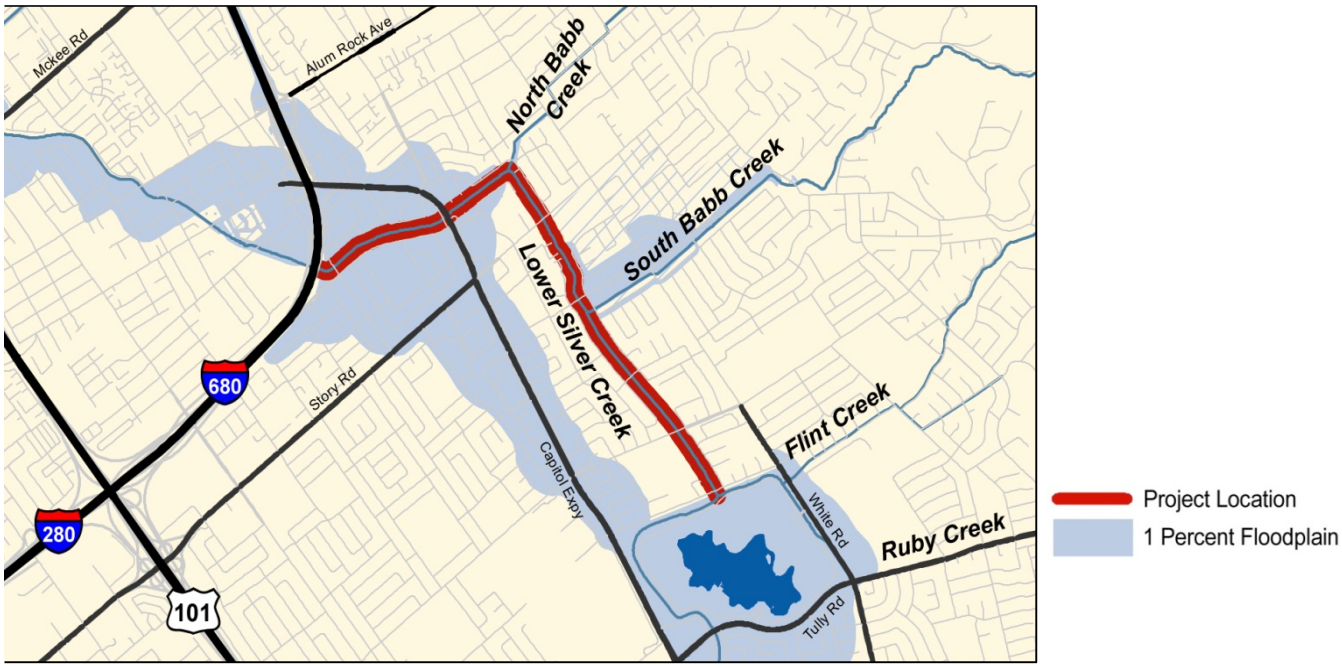
This project is part of a flood control project that partners with the Natural Resource Conservation Service (NRCS) to plan, design and construct improvements along approximately 2.3 miles of Lower Silver Creek, from Interstate 680 to Lake Cunningham. This project includes elements that are eligible for reimbursement from the state and federal governments to accomplish the following objectives:

- Increase flood protection to 5,400 properties in the surrounding area.
- Allow for on-site mitigation of project impacts, and in some cases enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve vehicle and pedestrian bridges crossing Lower Silver Creek.

This project is accounted for in the following job numbers:

40264007–Lower Silver Creek, I-680 to N. Babb Rd. (Reach 4 Planning)
40264008–Lower Silver Creek, I-680 to Cunningham Rd. (Reach 4-6)
40264012–Lower Silver Creek (Reach 4-6) Reimbursable

PROJECT LOCATION

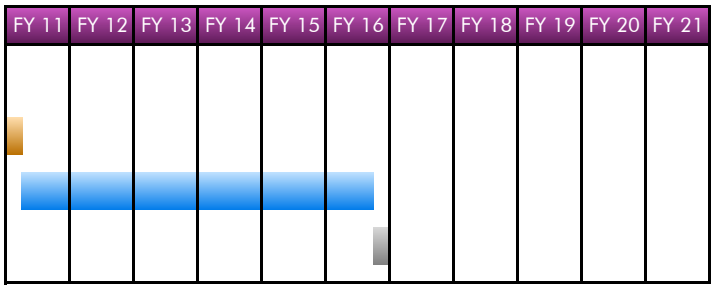


SCHEDULE & STATUS

August 1991 to April 2016

Planning phase is complete.

Phase	Cost
Plan	6,326
Design	5,419
Construct	54,318
Closeout	50
	66,113



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
40264007-Lower Silver Creek, Reach 4 Planning	2,371	0	0	0	0	0	0	0	2,371
with inflation	2,371	0	0	0	0	0	0	0	2,371
40264008-Lower Silver Ck, Nonreimbursable (R4-6)	8,757	35,625	15,566	584	50	50	75	0	60,707
with inflation	8,757	35,625	15,566	620	55	57	89	0	60,769
40264012-Lower Silver Creek, LERRDs (R4-6)	1,311	1,398	51	100	50	50	75	0	3,035
with inflation	1,311	1,398	51	106	55	57	89	0	3,067
TOTAL	12,439	37,023	15,617	684	100	100	150	0	66,113
with inflation	12,439	37,023	15,617	726	110	114	178	0	66,207

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
40264007-Lower Silver Creek, Reach 4 Planning	2,371	0	0	0	0	0	0	0	0	2,371
40264008-Lower Silver Ck, Nonreimbursable (R4-6)	9,358	35,034	10	15,556	620	55	57	89	0	60,769
40264012-Lower Silver Creek, LERRDs (R4-6)	2,709	0	0	51	106	55	57	89	0	3,067
TOTAL	14,438	35,034	10	15,607	726	110	114	178	0	66,207

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	40,532
State of California	5,000
Natural Resource Conservation Service - ARRA	20,675
Total	66,207

OPERATING COST IMPACTS

Operating budget impacts from construction of this project are expected to be insignificant. Repair of several erosion sites will reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 50+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Priority No.	58
Project No.	40324003s
District Contact	Melanie Richardson mrichardson@valleywater.org

Flooding at King Road on Upper Penitencia Creek

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the following objectives.

- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Mitigate for project impacts.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's and Santa Clara County Parks' Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:
40324003—District coordination with Corps for Corps' work
40324005—District's Lands, Easements, Rights of Way, Relocation, and Disposal (LERRDs)

This project is funded through the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined upon completion of planning.

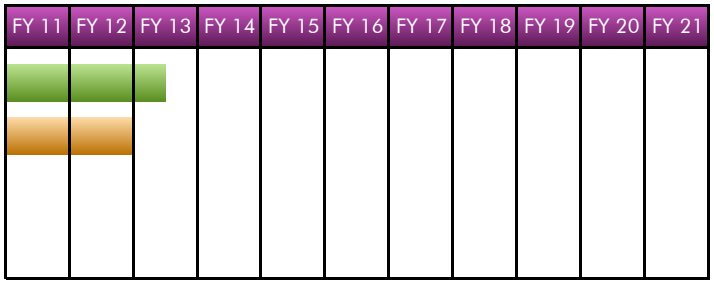
PROJECT LOCATION

PROJECT SCHEDULE

March 1996 to December 2012

Planning phase only, with the exception of a small cost-share construct in FY01-04. Design phase is primarily for acquiring right of way. Traditional design activities are not funded at this time.

Phase	Cost
Plan	5,803
Design	10,110
Construct	1,474
Closeout	-
	17,387



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, Corps	8,258	230	246	190	0	0	0	0	8,924
with inflation	8,258	230	246	202	0	0	0	0	8,936
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	1,795	5,099	1,569	0	0	0	0	0	8,463
with inflation	1,795	5,099	1,569	0	0	0	0	0	8,463
TOTAL	10,053	5,329	1,815	190	0	0	0	0	17,387
with inflation	10,053	5,329	1,815	202	0	0	0	0	17,399

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, Corps	8,970	0	482	0	0	0	0	0	0	8,970
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	6,034	884	24	1,545	0	0	0	0	0	8,463
TOTAL	15,004	884	506	1,545	0	0	0	0	0	17,433

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved funding exceeds planned expenditures by $34,000 for Corps Coordination. Remaining funds will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	17,433
Other Funding Source	0
Total	17,433

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	**Llagas Ck–Lower, Capacity Restoration, Hwy 152 to Pajaro River**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	81
Project No.	50284010
District Contact	Melanie Richardson mrichardson@valleywater.org

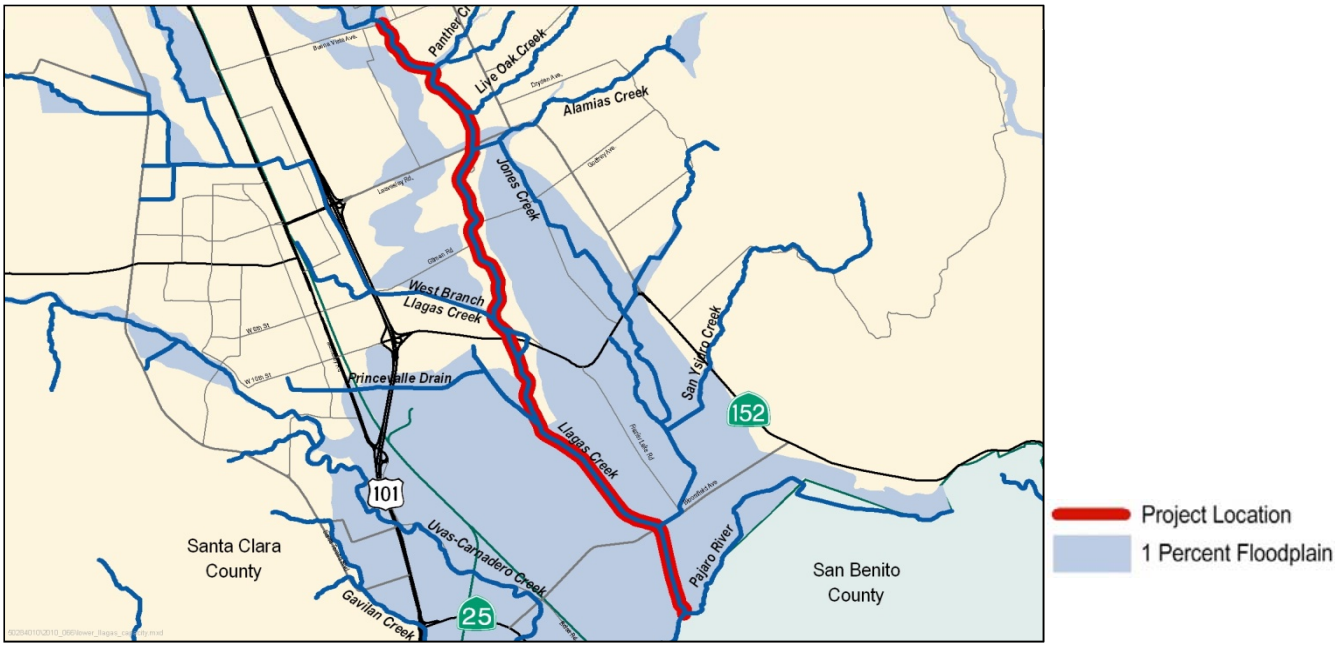
Lower Llagas Creek near Pajaro River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on approximately 7.15 miles of Lower Llagas Creek, from Buena Vista Avenue to Pajaro River, to accomplish the following objectives:

- Restore flood capacity in Lower Llagas Creek.
- Integrate flood protection with habitat protection to satisfy Endangered Species Act regulations.
- Coordinate with South County Wastewater Authority as a principal stakeholder and water resource co-planner.

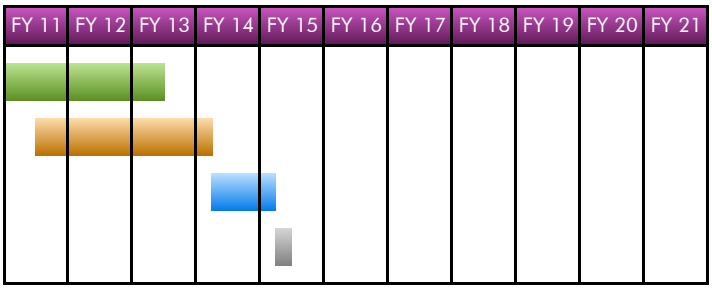
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to December 2014

Phase	Cost
Plan	3,132
Design	2,154
Construct	2,400
Closeout	50
	7,736



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
50284010-Llagas Ck–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1,017	1,094	1,356	1,325	2,619	325	0	0	7,736
with inflation	1,017	1,094	1,356	1,407	2,867	371	0	0	8,112

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
50284010-Llagas Ck–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1,341	803	33	1,323	1,407	2,867	371	0	0	8,112

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	8,112
Other Funding Source	0
Total	8,112

OPERATING COST IMPACTS

Operating costs will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Llagas Creek–Upper, Buena Vista Road to Wright Avenue**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	66
Project No.	26174051s
District Contact	Melanie Richardson mrichardson@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area.

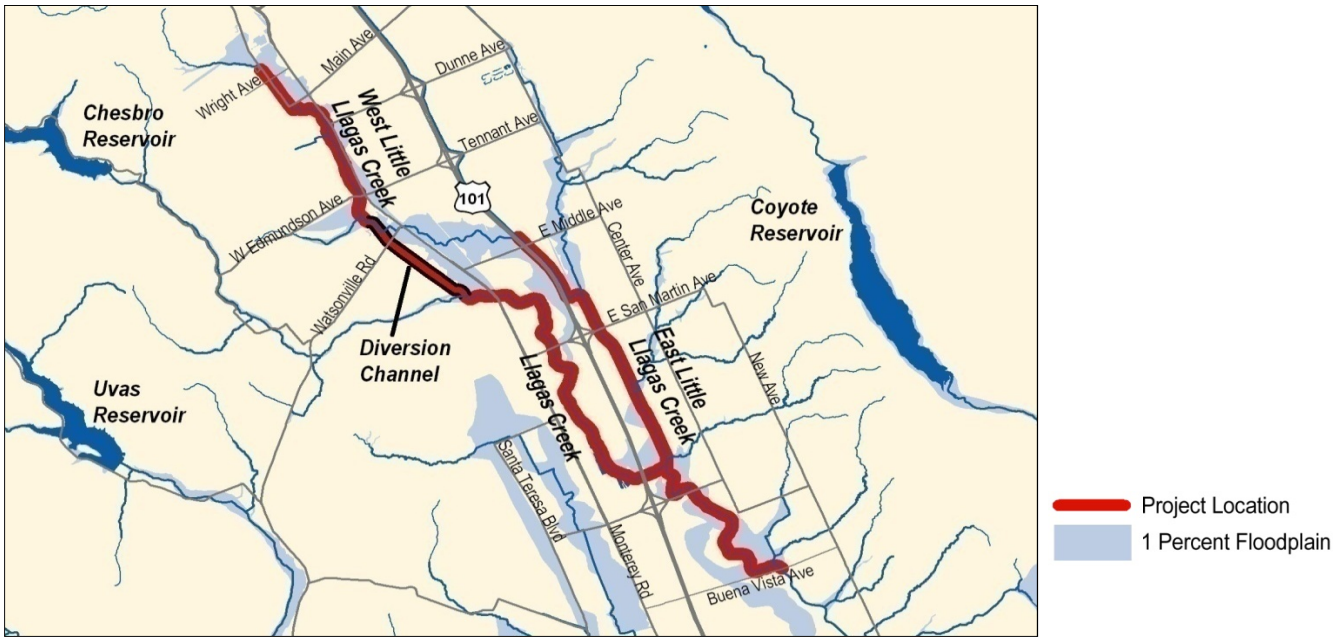
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements on approximately 13.6 miles of Upper Llagas Creek, from Buena Vista Avenue to Wright Avenue, to provide an increased level of flood protection with adequate freeboard.

This project is accounted for in the following job numbers:

- 26174051—Reimbursable Work—Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)
- 26174052—Coordination with the Corps
- 26174053—Technical Studies
- 26174054—Design

PROJECT LOCATION

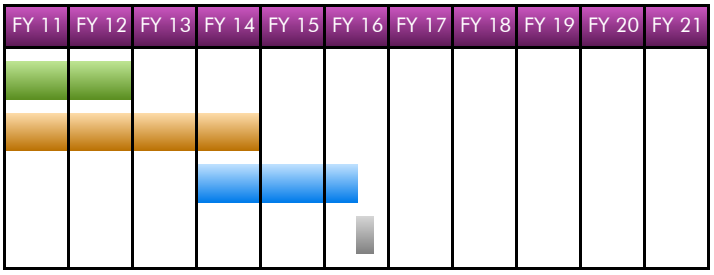


PROJECT SCHEDULE

August 2000 to January 2016

Project schedule may vary considerably and is dependent upon the Corps and Congress.

Phase	Cost
Plan	5,254
Design	26,935
Construct	665
Closeout	150
	33,004



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26174051-Llagas Ck—Upper, LERRDs	5,553	1,335	2,120	5,000	5,000	25	0	0	19,033
with inflation	5,553	1,335	2,120	5,309	5,506	29	0	0	19,852
26174052-Llagas Ck—Upper, Corps Coordination	2,020	159	102	100	100	100	200	0	2,781
with inflation	2,020	159	102	106	110	114	237	0	2,848
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	1,446
with inflation	1,446	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design	6,845	1,540	1,023	336	0	0	0	0	9,744
with inflation	6,845	1,540	1,023	357	0	0	0	0	9,765
TOTAL	**15,864**	**3,034**	**3,245**	**5,436**	**5,100**	**125**	**200**	**0**	**33,004**
with inflation	**15,864**	**3,034**	**3,245**	**5,772**	**5,616**	**143**	**237**	**0**	**33,911**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26174051-Llagas Ck—Upper, LERRDs	8,929	29	2,070	50	5,309	5,506	29	0	0	19,852
26174052-Llagas Ck—Upper, Corps Coordination	2,464	108	393	0	0	0	39	237	0	2,848
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design	6,850	1,535	0	1,023	357	0	0	0	0	9,765
TOTAL	**19,689**	**1,672**	**2,463**	**1,073**	**5,666**	**5,506**	**68**	**237**	**0**	**33,911**

Adjusted Budget includes adopted budget plus approved budget adjustments. Adjusted Budget for the Design project includes a planned budget adjustment of $894,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	12,704
State of California	17,867
City of Morgan Hill	3,340
Total	**33,911**
Federal Partner—Corps of Engineers	22,000

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Priority No.	32
Project No.	00044026s
District Contact	Melanie Richardson mrichardson@valleywater.org

Typical natural tidal marshland in San Francisco Bay near the Shoreline project area.

PROJECT DESCRIPTION

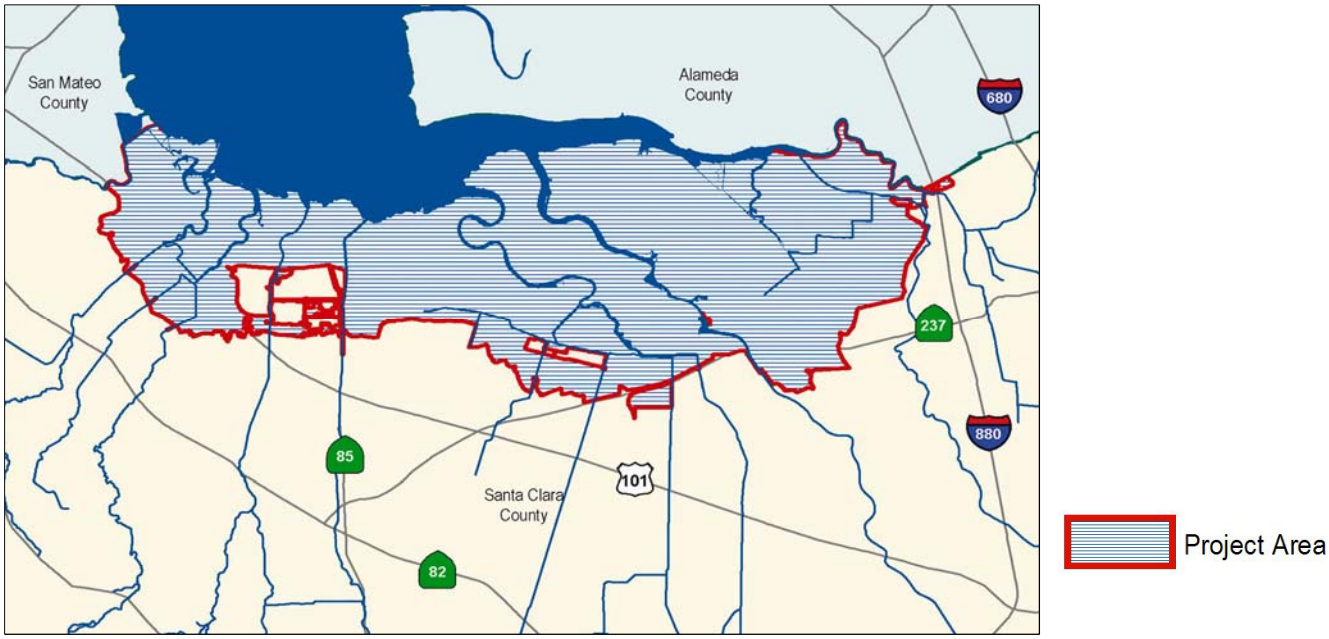
This project coordinates with the California Costal Conservancy, U.S. Army Corps of Engineers (Corps), and other project partners to plan, design, and construct improvements to the San Francisco Bay Shoreline, to accomplish the following objectives:

- Provide integrated fluvial and tidal flood protection.
- Restore and/or enhance tidal marsh and related habitats.
- Provide recreational and public access opportunities throughout the tidal floodplain of Santa Clara County.
- Pursue continued federal funding.

This project is accounted for in the following job numbers:
00044026—San Francisco Bay Shoreline
62044042—Shoreline, Early Implementation (Feasibility)

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for the design phase and construction phase will be determined at the completion of the planning phase.

PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to June 2013

(Planning Phase Only)

Phase	Cost	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21
Plan	11,859											
Design	206											
Construct	-											
Closeout	-											
	12,065											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
00044026-San Francisco Bay Shoreline	9,277	495	1,451	264	0	0	0	0	11,487
with inflation	9,277	495	1,451	280	0	0	0	0	11,503
62044042-Shoreline Early Implementation	59	313	206	0	0	0	0	0	578
with inflation	59	313	206	0	0	0	0	0	578
TOTAL	**9,336**	**808**	**1,657**	**264**	**0**	**0**	**0**	**0**	**12,065**
with inflation	**9,336**	**808**	**1,657**	**280**	**0**	**0**	**0**	**0**	**12,081**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
00044026-San Francisco Bay Shoreline	11,297	0	1,525	378	0	0	0	0	0	11,675
62044042-Shoreline Early Implementation	136	236	0	206	0	0	0	0	0	578
TOTAL	**11,433**	**236**	**1,525**	**584**	**0**	**0**	**0**	**0**	**0**	**12,253**

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved funding exceeds planned expenditures by $172,000. Unspent fudning will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	10,242
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
Total	**12,253**
Federal Partners, South Bay Salt Ponds (SBSP)	48,470
State, SBSP	14,720
Foundations, Packard-Hewlett-Goldman-Moore, SBSP	17,060
Coastal Conservancy, Shoreline	2,010
Federal, Corps of Engineers, Shoreline	8,990
Total Partnership Funding	**91,250**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

WATER RESOURCES STEWARDSHIP CAPITAL IMPROVEMENTS

WATER RESOURCES STEWARDSHIP OVERVIEW

The District plans, designs and constructs various capital projects to meet the Board's Ends Policy E-4 "There is water resources stewardship to protect and enhance watersheds and natural resources and improve the quality of life in Santa Clara County." These projects may fulfill environmental enhancement, mitigation or stewardship goals and priorities.

Environmental Commitment Projects

Beginning in FY 2011/12 a fourth sub-category has been added to Water Resources Stewardship to clarify the differences between regulatory-driven and optional environmental enhancements. The new sub-category, Environmental Commitment includeds projects that are implemented to satisfy agreements made with regulatory agencies that improve the watershed environment. In the future, the Environmental commitment sub-category will included some or all of the projects set forth in the Valley Habitat Conservation Plan (Valley HCP) or Three Creeks HCP, both still under development.

Major Capital Improvements Identified in the CIP

- Jacques Gulch

Environmental Enhancement Projects

Environmental Enhancement projects are constructed at the direction of the Board either to meet the Clean Safe Creeks and Natural Flood Protection program obligations or to meet other Board priorities.

The District's Clean, Safe Creeks Program, approved by the voters of Santa Clara County in 2000, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. A selection process is conducted biannually to allocate the Clean, Safe Creeks funding to the enhancement opportunities that meet Board-defined characteristics.

Major Capital Improvements Identified in the CIP

- CSC Soap Lake Floodplain Property Acquisition
- FAHCE Stevens Creek Fish Passage Enhancement
- Lake Almaden, Guadalupe River, Los Alamitos Creek Planning

Mitigation Projects

The District manages many mitigation sites and continues to plan, design, and construct new mitigation sites to fulfill CEQA and regulatory permit requirements for both capital projects and operations activities. Mitigation requirements for capital projects may be incorporated into the project scope or accomplished as a separate project.

Major Capital Improvements Identified in the CIP

- Dam Maintenance Mitigation
- SMP Mitigation, Laguna Seca Freshwater Wetland
- SMP Mitigation, Stream and Watershed Land Preservation

Stewardship Projects

Stewardship projects are implemented to promote water quality awareness; reduce pollutants in streams; support additional trails, parks and open space; support creek side recreation; and reduce green house gas. Stewardship projects are implemented at the discretion of the Board when reasonable and appropriate. These projects are often accomplished in partnership with or support of other agencies.

Stewardship projects may be constructed to fulfill the Clean Safe Creek (CSC) obligations or to meet other Board priorities. A selection process is conducted biannually to allocate Clean Safe Creeks funding to the Stewardship projects that meet the CSC requirements.

WATER RESOURCES STEWARDSHIP CAPITAL IMPROVEMENTS

Major Capital Improvements Identified in the CIP

- Alviso Slough Restoration
- Ogier Ponds Separation from Coyote Creek
- Regnart Creek Stream Stabilization, Bubb Road to Stelling Road

PRIORITY PROCESS AND FINANCIAL ANALYSIS

Environmental Enhancement and Stewardship projects are implemented at the discretion of the Board. Projects may go through a ranking process to compete for Clean, Safe Creeks funds or the board may direct that other available revenue be used to implement the proposed projects. The inclusion of these projects in the Fiscal Year 2011/12 CIP has been approved by the Board. The priority criteria used to evaluate these projects are included in Appendix A.

Implementation of the Mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory permit commitments approved by the Board. Funding for mitigation projects is allocated without a prioritization process.

The Coastal Conservancy provided $866 thousand in ARRA funds for construction of the Pond A8 Applied Study Project from the $6.7 million grant they received from the National Oceanic and Atmospheric Administration. This project was completed in FY 2010/11 and removed from the CIP.

Financial analysis of the following funding sources for Water Resources Stewardship capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creek Fund
- Water Enterprise Fund

Funding needs for approved Water Resources Stewardship projects can be met.

WATER RESOURCES STEWARDSHIP CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water resources stewardship capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2010/11.

Water Resources Stewardship Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	COMMITMENT										
91854002	Jacques Gulch Restoration	5,383	142	-	70	125	32	50	-	-	5,802
	ENVIRONMENTAL ENHANCEMENT										
26074009s	CSC Soap Lake Floodplain Property Acquisition	278	18	-	47	-	-	-	-	-	343
26044001	Lake Almaden, Guadalupe Rv, Los Alamitos Ck Restoration	-	-	-	316	514	-	-	-	-	830
	MITIGATION										
91084018	Dam Maintenance Plan Mitigation	3,000	-	1	45	-	-	-	-	-	3,045
00044030	SMP Mitigation, Laguna Seca Freshwater Wetland	8,701	-	6,798	438	5,785	643	667	668	627	17,529
62184001	SMP Mitigation, Stream and Watershed Land Preservation	8,633	-	3,500	-	-	-	-	-	-	8,633
	STEWARDSHIP										
30154029s	Alviso Slough Restoration	3,428	354	319	1,528	10,017	993	-	-	-	16,320
00294001s	FAHCE Stevens Creek Fish Passage Enhancement	850	-	-	-	2,582	5,289	4,129	-	-	12,850
30154028	Gold Street Educational Center	1,509	774	3	322	16	34	-	-	-	2,655
92C40297	Ogier Ponds Separation from Coyote Creek	-	-	-	-	-	465	482	2,913	8,634	12,494
20C40316	Regnart Creek Stream Stabilization, Bubb to Stelling Rds.	-	-	-	-	509	395	1,554	-	-	2,458
62214001	Thompson Creek Stream Stabilization, Quimby to Aborn Rds.	2,256	-	2,085	-	-	-	-	55	-	2,311
	TOTAL	34,038	1,288	12,706	2,766	19,548	7,851	6,882	3,636	9,261	85,270

FY 2010/11 Funds to be reappropriated

The following table shows funding requirements from each funding source for mitigation capital improvements.

Water Resources Stewardship – Funding Sources ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	Water Enterprise Fund	9,148	142	1	115	2,449	5,257	4,248	2,913	8,634	32,906
	Watershed Stream Stewardship Fund	24,640	1,146	12,705	2,335	16,585	2,594	2,634	723	627	51,284
	Clean, Safe Creeks and Natural Flood Protection Fund	250	-	-	316	514	-	-	-	-	1,080
	TOTAL	34,038	1,288	12,706	2,766	19,548	7,851	6,882	3,636	9,261	85,270

FY 2010/11 Funds to be reappropriated

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Project	**Jacques Gulch Restoration**
Program	Water Resources Stewardship – Commitment
Priority No.	85
Project No.	91854002
District Contact	Melanie Richardson mrichardson@valleywater.org

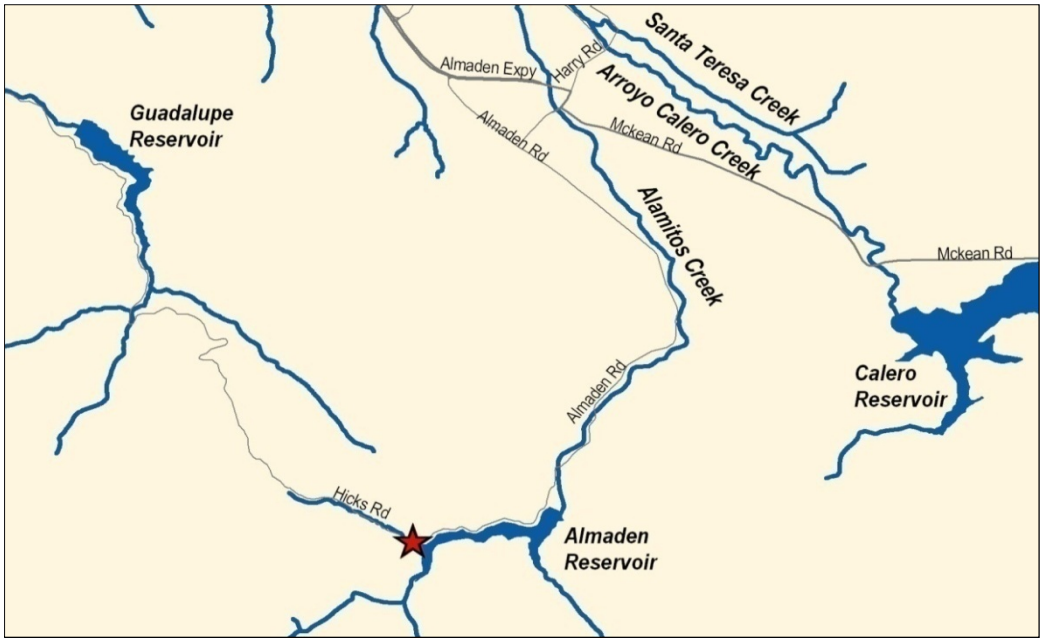
Geotechnical analysis of calcine deposits to determine mercury depth and concentration.

PROJECT DESCRIPTION

This project plans, designs and constructs improvements to Jacques Gulch, a tributary to the Almaden Reservoir, to accomplish the following objectives:

- Remove mercury calcine deposits.
- Stabilize the stream banks and restore habitat along Jacques Gulch, consistent with provisions of the Consent Decree.

PROJECT LOCATION



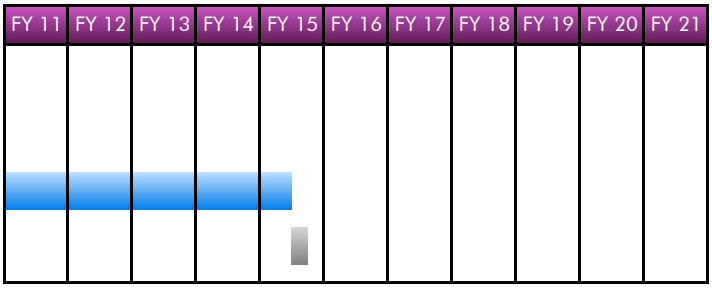
★ Project Location

SCHEDULE & STATUS

July 2003 to March 2015

Planning phase is complete. Design phase is complete. Construction phase includes 5 years of plant establishment monitoring.

Phase	Cost
Plan	1,509
Design	656
Construct	3,599
Closeout	22
	5,786



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91854002-Jacques Gulch Restoration	5,182	343	70	118	29	44	0	0	5,786
with inflation	5,182	343	70	125	32	50	0	0	5,802

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91854002-Jacques Gulch Restoration	5,383	142	0	70	125	32	50	0	0	5,802

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,677
Guadalupe Rubbish Disposal Company	125
County of Santa Clara	140
Total	5,802
County Partner–Santa Clara County	4,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2015. Increases are related to the anticipated need for annual inspection of the Alamitos Road culvert, and periodic vegetation and/or debris removal upstream and downstream of the culvert.

USEFUL LIFE: 50+ Years

Project	CSC Soap Lake Floodplain Property Acquisition
Program	Water Resources Stewardship – Environmental Enhancement
Priority No.	55
Project No.	26074009
District Contact	Melanie Richardson mrichardson@valleywater.org

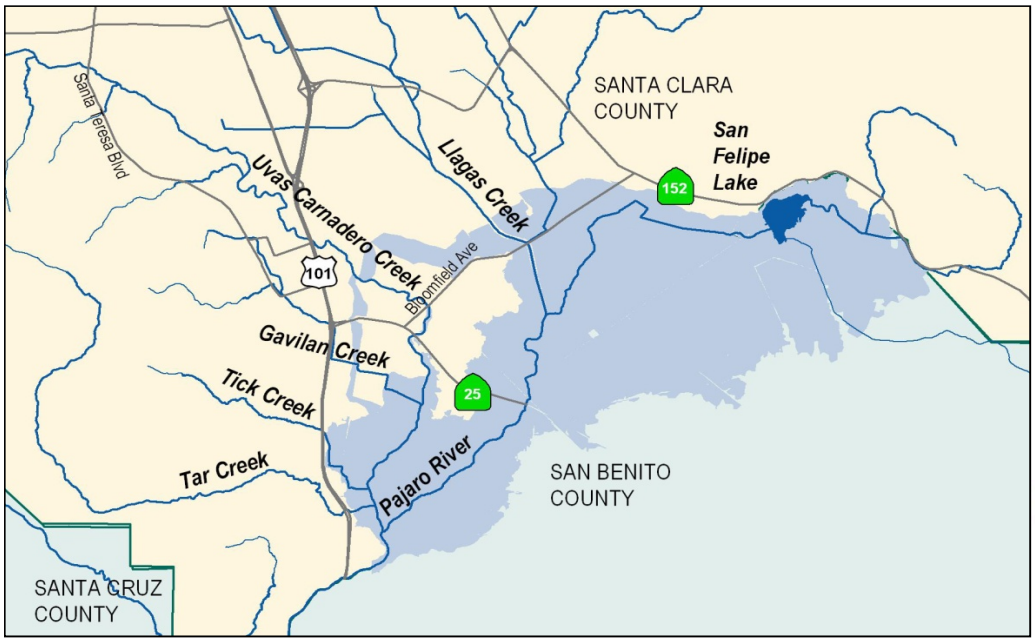
The Soap Lake floodplain is comprised almost entirely of agricultural lands such as this, located near Carnadero Ck.

PROJECT DESCRIPTION

This project partners with various regional stakeholders to acquire easements or property as recommended by the Pajaro River Flood Prevention Authority's Soap Lake Preservation Project to accomplish the following objectives:

- Secure development rights to prevent development and preserve the Pajaro River floodplain referred to as the Soap Lake floodplain.
- Implement environmental, floodplain, and water quality measures, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

PROJECT LOCATION



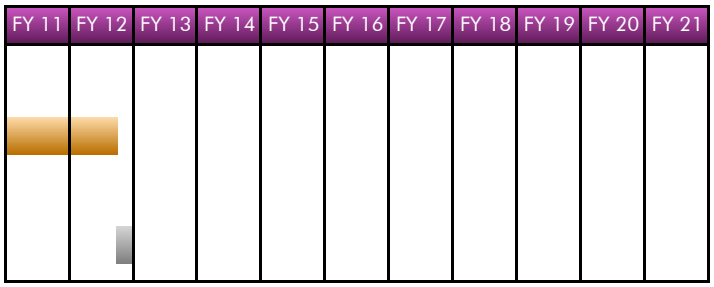
1 Percent Floodplain

SCHEDULE & STATUS

July 2007 to June 2012

Schedule for this project is dependent on availability of willing sellers. Property acquisition is shown in the design phase. Planning and construction phases do not apply.

Phase	Cost
Plan	n/a
Design	333
Construct	n/a
Closeout	10
	343



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26074009-CSC Soap Lake Floodplain Property Acquisition	57	239	47	0	0	0	0	0	343
with inflation	57	239	47	0	0	0	0	0	343

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26074009-CSC Soap Lake Floodplain Property Acquisition	278	18	0	47	0	0	0	0	0	343

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	250
SCVWD Watershed Stream Stewardship Fund	93
Total	**343**

OPERATING COST IMPACTS

Since the District is not likely to hold title on the properties acquired, the completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	Lake Almaden, Guadalupe River, Alamitos Creek Restoration
Program	Water Resources Stewardship – Environmental Enhancement
Priority No.	35
Project No.	26044001
District Contact	Melanie Richardson mrichardson@valleywater.org

Looking southerly at Lake Almaden, which has fish with the highest concentrations of mercury in California in 2010.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Guadalupe River from Blossom Hill Road to the Guadalupe Creek/Alamitos Creek confluence, and Alamitos Creek from the Guadalupe Creek confluence to Winfield Boulevard, including Lake Almaden, to accomplish the following objectives:

- Address state and federal requirements for protection of endangered species for activities related to water supply operations, dam maintenance program, and certain flood protection activities.
- Comply with regulatory requirements to reduce mercury contamination in fish.
- Restore stream function and incorporate geomorphologic features along portions of Guadalupe River and Alamitos Creek.
- Provide100-year level of flood protection extending from upstream of Blossom Hill Road to downstream of Winfield Boulevard.
- Enhance environmental and recreational features.

This project is funded for the planning phase (including some early design tasks). The scope, schedule, costs, and funding sources for design and construction will be determined at the completion of the planning phase.

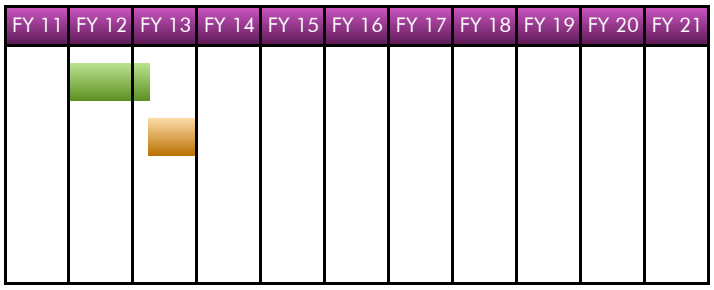
PROJECT LOCATION

SCHEDULE & STATUS

July 2011 to June 2013

Planning Phase and some Design Tasks. Construction is not funded at this time.

Phase	Cost
Plan	548
Design	252
Construct	-
Closeout	-
	800



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
26044001-Lake Almaden, Guadalupe River, Alamitos Creek Restoration	0	0	316	484	0	0	0	0	800
with inflation	0	0	316	514	0	0	0	0	830

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
26044001-Lake Almaden, Guadalupe River, Alamitos Creek Restoration	0	0	0	316	514	0	0	0	0	830

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	830
Other Funding Source	0
Total	830

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: 100 Years

Project	Dam Maintenance Mitigation Program
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	91084018
District Contact	Keith Whitman kwhitman@valleywater.org

Settings such as this will be used for Habitat Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves and/or restores habitat for California Tiger Salamander, Red Legged Frog and sensitive serpentine plants on lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 80 acres of Dam Maintenance Program mitigation credits through preservation and/or restoration in Santa Clara County to provide long-term protection of unique and valuable resources in a largely self-sustaining setting. These credits will offset impacts on habitats that are known to support California red-legged frogs, California tiger salamanders, wetlands, serpentine plants as well as other sensitive plants.
- Perform baseline biological studies in order to determine potential credits of prospective land parcels.

PROJECT LOCATION

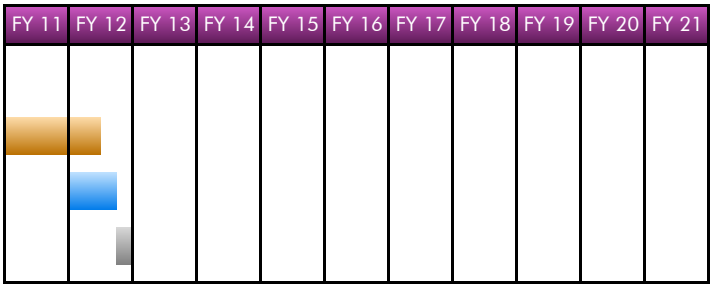
The project will purchase multiple sites for preservation in Santa Clara Basin as they become available.
No map is provided.

SCHEDULE & STATUS

September 2009 to May 2012

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, and restoration of site habitat will be shown in the construction phase.

Phase	Cost
Plan	50
Design	2,972
Construct	22
Closeout	1
	3,045



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
91084018-Dam Maintenance Mitigation Program	5	2,994	46	0	0	0	0	0	3,045
with inflation	5	2,994	46	0	0	0	0	0	3,045

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
91084018-Dam Maintenance Mitigation Program	3,000		1	45	0	0	0	0	0	3,045

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,045
Other Funding Source	0
Total	3,045

OPERATING COST IMPACTS

Operating costs will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. Once the sites have been identified, operating costs will be determined based on the existing conditions and maintenance identified for each site.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Laguna Seca Freshwater Wetland
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	00044030
District Contact	Melanie Richardson mrichardson@valleywater.org

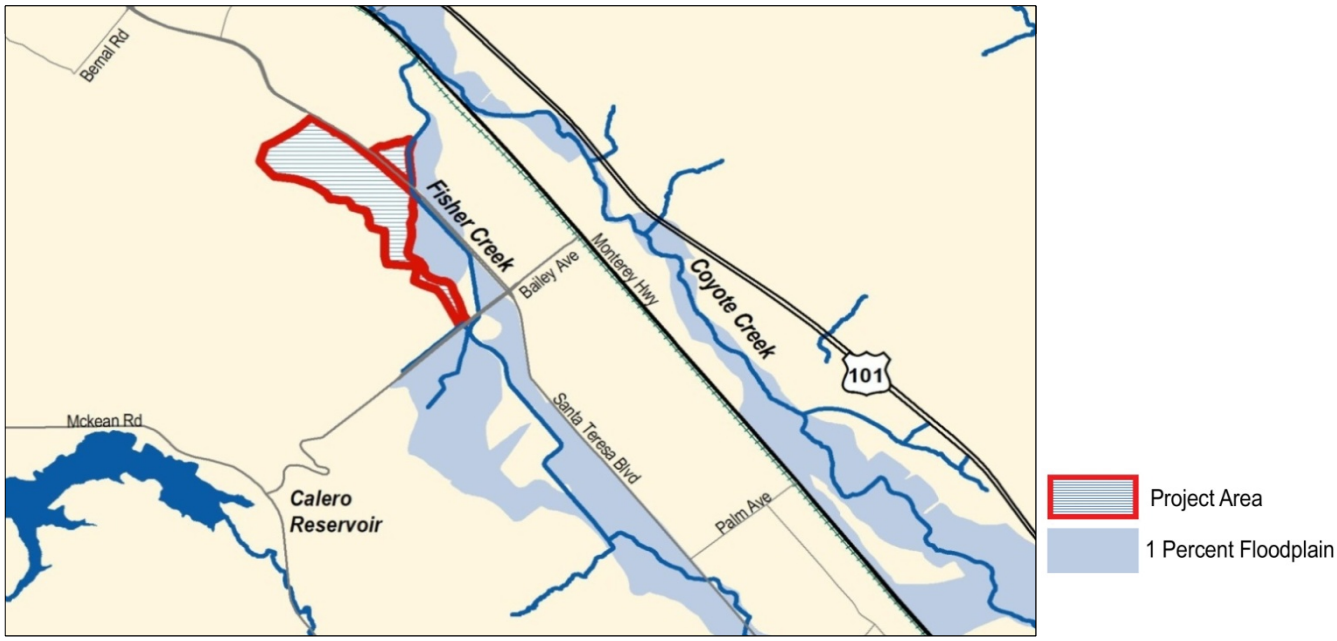
Ponding at Laguna Seca Wetland Site in February 2007

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Coyote Valley Research Park detention basin, formerly known as the Laguna Seca wetland site (located in San Jose, where Fisher Creek intersects Santa Teresa Boulevard, north of Bailey Avenue) to accomplish the following objectives:

- Meet the regulatory mitigation requirements for implementation of the Stream Maintenance Program (SMP) to allow the District to continue maintaining flood protection for Santa Clara Valley residents.
- Create approximately 30 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.

PROJECT LOCATION

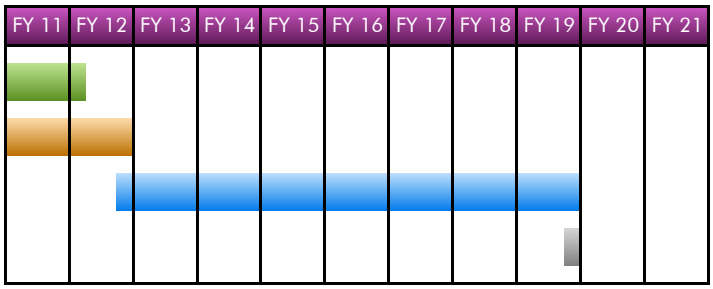


SCHEDULE & STATUS

July 2007 to June 2019

Construction includes 1 year grading, 3 years phased planting, and 3 years plant establishment.

Phase	Cost
Plan	1,349
Design	902
Construct	14,537
Closeout	27
	16,815



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
00044030-SMP Mitigation, Laguna Seca Freshwater Wetland	989	914	7,236	5,452	584	584	564	492	16,815
with inflation	989	914	7,236	5,785	643	667	668	628	17,530

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
00044030-SMP Mitigation, Laguna Seca Freshwater Wetland	8,701	0	6,798	438	5,785	643	667	668	628	17,530

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	17,530
Other Funding Source	0
Total	17,530

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation Stream and Watershed Land Preservation
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	62184001
District Contact	Melanie Richardson mrichardson@valleywater.org

Creek-side settings such as this will be used for stream and watershed land preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 71 acres of Stream Maintenance Program (SMP) mitigation credits through preservation of approximately 720 to 950 acres of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 108 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs and Western pond turtles.
- Provide approximately 10 acres of SMP mitigation credits through environmental restoration on the lands acquired.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

PROJECT LOCATION

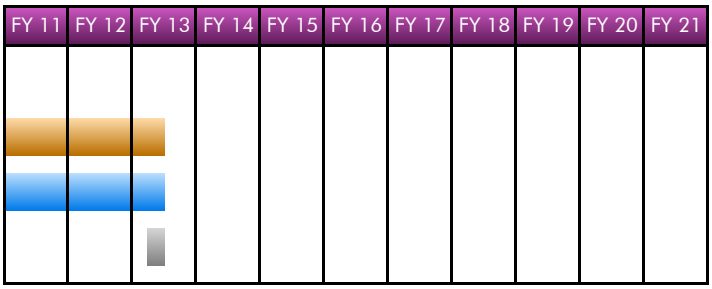
The project will purchase multiple sites for preservation in Santa Clara Basin as they become available.
No map is provided.

SCHEDULE & STATUS

April 2004 to December 2012

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, with restoration of site habitat shown in the construction phase.

Phase	Cost
Plan	489
Design	6,917
Construct	856
Closeout	50
	8,312



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
62184001-SMP Mitigation Stream and Watershed Land Preservation	2,802	2,331	2,240	939	0	0	0	0	8,312
with inflation	2,802	2,331	2,240	997	0	0	0	0	8,370

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
62184001-SMP Mitigation Stream and Watershed Land Preservation	8,633	0	3,500	0	0	0	0	0	0	8,633

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds planned expenditures by approximately $263,000. Excess funding will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	8,633
Other Funding Source	0
Total	8,633

OPERATING COST IMPACTS

Operating cost will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. The Stevens Canyon Ranch Conservation Easement was acquired in December 2006 and there are no operating impacts to the District. The property owner, Mid-Peninsula Regional Open Space District is responsible for maintenance and management of the site.

USEFUL LIFE: 50+ Years

Project	**Alviso Slough Restoration**
Program	Water Resources Stewardship
Priority No.	24
Project No.	30154029s
District Contact	Melanie Richardson mrichardson@valleywater.org

Alviso Slough as seen from Gold Street Bridge

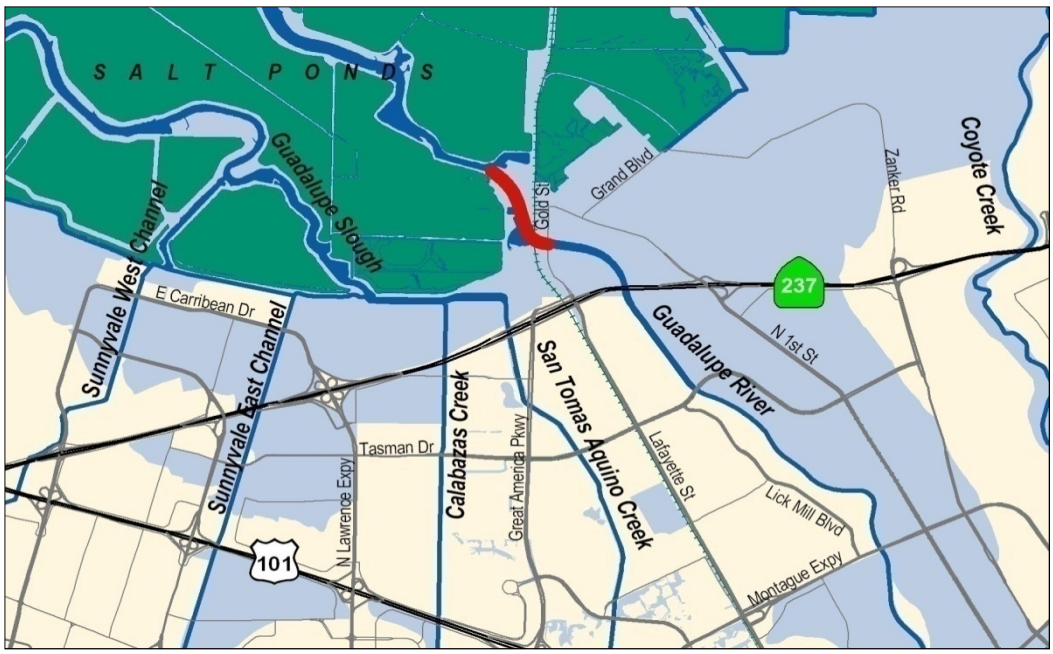
PROJECT DESCRIPTION

This project plans, designs and provides for rthe removal of vegetation over 3.7 acres, and dredging within that same footprint to a depth of 8 feet from Alviso Slough between the Gold Street Bridge and County Marina to accomplish the following objectives:

- Restore the slough's open water channel width to conditions that existed prior to 1983.
- Improve navigation so the community can expand on boating and other recreational opportunities.
- Restore historic and public access and aesthetics for the Alviso community.
- Maintain one-percent flood protection in Alviso Slough.
- Reduce mosquito nuisance.
- Expand open water habitat and inundated mudflat habitat of the slough.
- Promote integration with the Salt Pond Restoration Program to bring salt water connections to the Lower Guadalupe River.

This project is accounted for in the following job numbers:
- 30154029—Alviso Slough Restoration, Planning
- 30154030—Alviso Slough Restoration, Design and Construction

PROJECT LOCATION

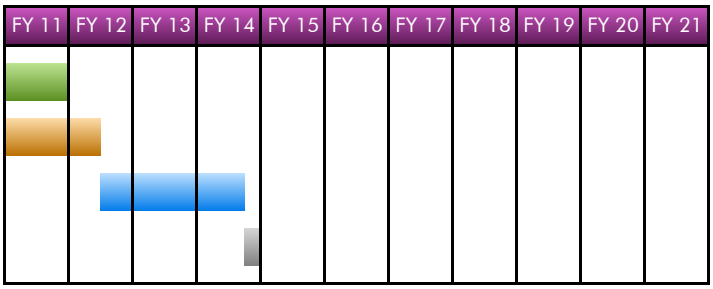


Project Location
1 Percent Floodplain

SCHEDULE & STATUS

November 2004 to June 2014

Phase	Cost
Plan	3,696
Design	875
Construct	11,053
Closeout	30
	15,654



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
30154029-Alviso Slough Restoration - Planning	2,892	62	0	0	0	0	0	0	2,954
with inflation	2,892	62	0	0	0	0	0	0	2,954
30154030-Alviso Slough Restoration - Design & Construction	89	420	1,848	9,441	902	0	0	0	12,700
with inflation	89	420	1,848	10,017	993	0	0	0	13,367
TOTAL	2,981	482	1,848	9,441	902	0	0	0	15,654
with inflation	2,981	482	1,848	10,017	993	0	0	0	16,321

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
30154029-Alviso Slough Restoration - Planning	2,954	0	0	0	0	0	0	0	0	2,954
30154030-Alviso Slough Restoration - Design & Construction	474	355	320	1,528	10,017	993	0	0	0	13,367
TOTAL	3,428	355	320	1,528	10,017	993	0	0	0	16,321

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	16,321
Other Funding Source	0
Total	16,321

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $4 million every 3 years, beginning in FY 2015, for on-going sediment removal.

USEFUL LIFE: Not Available

Project	**FAHCE Stevens Creek Fish Passage Enhancement**
Program	Water Resources Stewardship
Priority No.	65
Project No.	00294001s
District Contact	Melanie Richardson mrichardson@valleywater.org

Stevens Creek Fish Ladder at Evelyn Avenue, one of three fish ladders to be modified or reconstructed for better fish passage.

PROJECT DESCRIPTION

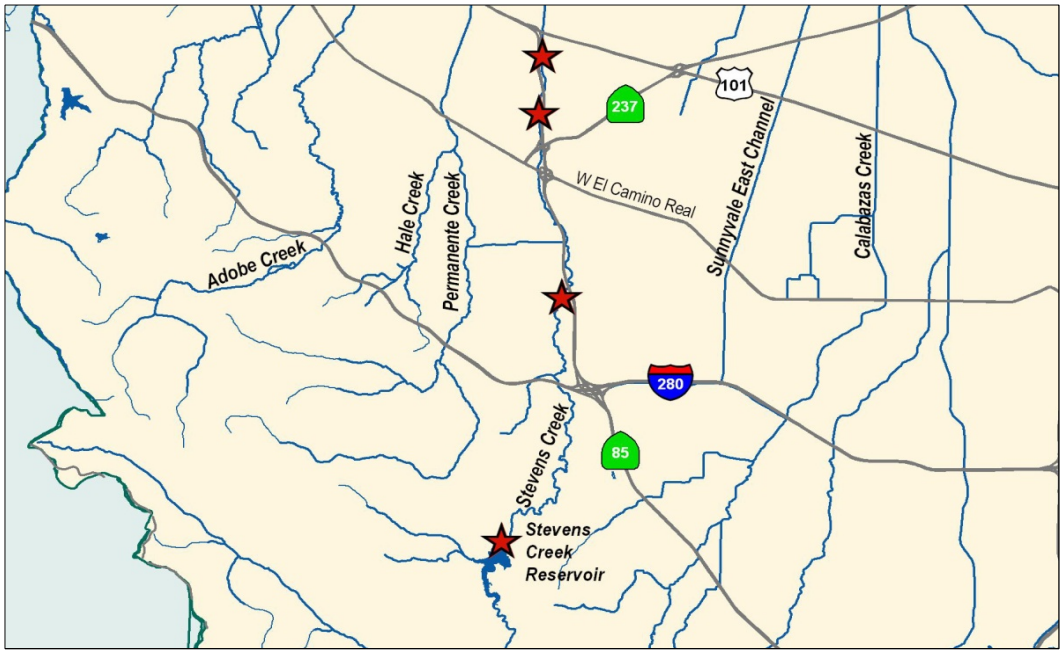
This project plans, designs, and modifies or reconstructs fish passages on Stevens Creek at Evelyn Avenue, Fremont Avenue and Moffett Boulevard; and constructs a portable, gravity-fed outlet at Stevens Creek Dam to accomplish the following objectives:

- Meet the District's mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

This project is accounted for in the following job numbers:

- 00294001—Fish Passage Planning
- 00C40144—Evelyn Avenue Fish Ladder
- 00C40146—Fremont Avenue Fish Ladder
- 00C40145—Moffett Boulevard Fish Ladder
- 00C40198—Multi-Port Outlet at Dam

PROJECT LOCATION



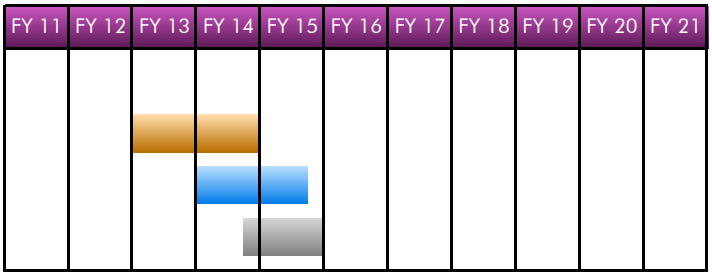
★ Project Location

PROJECT SCHEDULE

July 2008 to June 2014

Planning phase is complete. Project on hold for one year pending completion of the Three Creeks Habitat Conservation Plan, to be done in a separate operating project.

Phase	Cost
Plan	1,126
Design	2,906
Construct	7,723
Closeout	30
	11,785



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
00294001-FAHCE Stevens Ck Fish Passage Planning	850	0	0	0	0	0	0	0	850
with inflation	850	0	0	0	0	0	0	0	850
00C40144-FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	961	1,412	0	0	0	2,373
with inflation	0	0	0	1,020	1,543	0	0	0	2,563
00C40146-FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	281	750	3,669	0	0	4,700
with inflation	0	0	0	298	826	4,129	0	0	5,254
00C40145-FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	948	1,727	0	0	0	2,675
with inflation	0	0	0	1,007	1,887	0	0	0	2,894
00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	242	945	0	0	0	1,187
with inflation	0	0	0	257	1,033	0	0	0	1,290
TOTAL	**850**	**0**	**0**	**2,432**	**4,834**	**3,669**	**0**	**0**	**11,785**
with inflation	**850**	**0**	**0**	**2,583**	**5,289**	**4,129**	**0**	**0**	**12,851**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
00294001-FAHCE Stevens Ck Fish Passage Planning	850	0	0	0	0	0	0	0	0	850
00C40144-FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	0	1,020	1,543	0	0	0	2,563
00C40146-FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	0	298	826	4,129	0	0	5,254
00C40145-FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	0	1,007	1,887	0	0	0	2,894
00C40198-FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	0	257	1,033	0	0	0	1,290
TOTAL	**850**	**0**	**0**	**0**	**2,583**	**5,289**	**4,129**	**0**	**0**	**12,851**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–10%	1,285
SCVWD Water Utility Enterprise (FAHCE Program)–90%	11,566
Total	**12,851**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $12,000 per year beginning in FY 2016, due to reductions in routine maintenance and debris removal.

USEFUL LIFE: 50 Years

Project	**Gold Street Educational Center**
Program	Water Resources Stewardship
Priority No.	8
Project No.	30154028
District Contact	Melanie Richardson mrichardson@valleywater.org

Proposed location of the Gold Street Educational Center on State Lands Commission property adjacent to the Guadalupe River.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Gold Street, adjacent to the Guadalupe River in Alviso, to provide an outdoor educational center for the Alviso community that may incorporate the following elements:

- Interpretive displays.
- Landscaping with native vegetation.
- A trailhead that links to recreation trails.

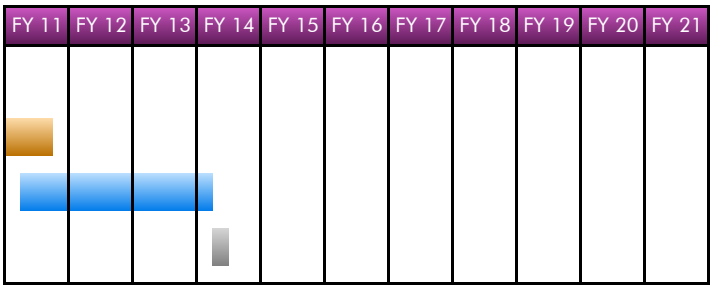
PROJECT LOCATION

SCHEDULE & STATUS

December 2004 to December 2013

Planning phase is complete.

Phase	Cost
Plan	330
Design	954
Construct	1,357
Closeout	10
	2,651



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
30154028-Gold Street Educational Center	969	1,311	325	15	31	0	0	0	2,651
with inflation	969	1,311	325	16	34	0	0	0	2,655

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
30154028-Gold Street Educational Center	1,509	774	3	322	16	34	0	0	0	2,655

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,655
Other Funding Source	0
Total	2,655

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $30,000 per year, beginning in FY 2014. Increases are for vegetation and landscape maintenance, security services, and restroom maintenance and cleaning.

USEFUL LIFE: 50+ Years

Project	**Ogier Ponds Separation from Coyote Creek**
Program	Water Resources Stewardship
Priority No.	35
Project No.	92C40297
District Contact	Melanie Richardson mrichardson@valleywater.org

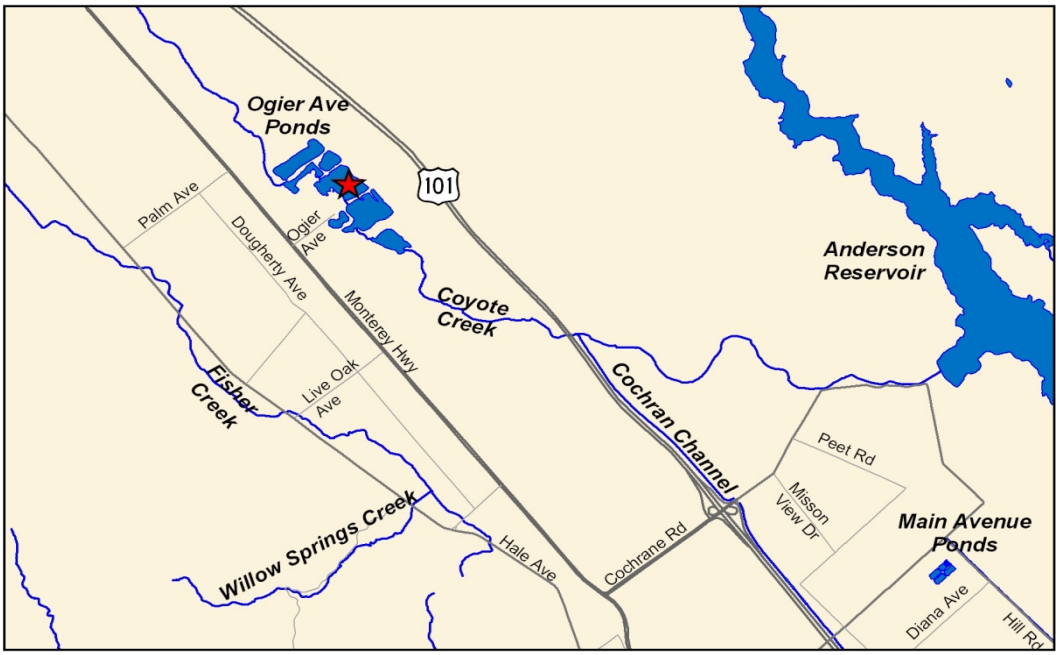
Ogier Pond complex looking downstream. Coyote Creek enters in lower right. The pond is bordered by Coyote Creek Trail on the right, and a cherry orchard on the left.

PROJECT DESCRIPTION

This project plan, designs, and constructs improvements to separate Ogier Ponds from Coyote Creek where they meet, approximately 3,800 feet upstream of Ogier Avenue in San Jose, to meet the following objectives:

- Meet regulatory requirements for implementation of the Dam Maintenance Program so the District can continue to maintain adequate water supply for Santa Clara Valley residents.
- Eliminate the temperature and predation traps and improve passage for Chinook salmon and steelhead.
- Preserve the existing open water habitat.
- Minimize impacts to the future recreational uses being planned by Santa Clara County.

PROJECT LOCATION

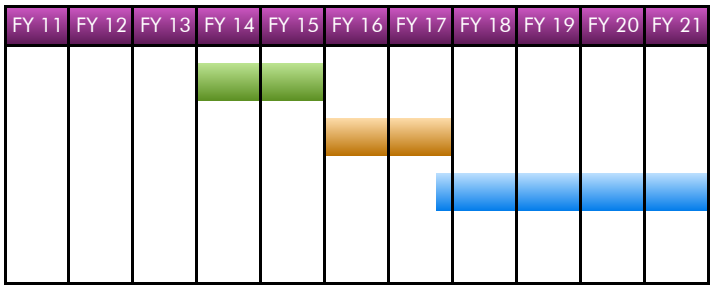


★ Project Location

SCHEDULE & STATUS

July 2013 to June 2022

Phase	Cost
Plan	1,859
Design	1,990
Construct	6,491
Closeout	10
	10,349



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
92C40297-Ogier Ponds Separation from Coyote Creek	0	0	0	0	422	422	2,460	7,046	10,349
with inflation	0	0	0	0	465	482	2,913	8,632	12,491

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
92C40297-Ogier Ponds Separation from Coyote Creek	0	0	0	0	0	465	482	2,913	8,632	12,491

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,491
Other Funding Source	0
Total	12,491

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs for routine maintenance of the channel. The amount of the increase will be developed in the design phase, when adequate information on the staff-recommended alternative is available.

USEFUL LIFE: 50+ Years

Project	**Regnart Creek Stream Stabilization, Bubb to Stelling Roads**
Program	Water Resources Stewardship
Priority No.	29
Project No.	20C40316
District Contact	Melanie Richardson mrichardson@valleywater.org

Erosion on Regnart Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs erosion repairs along approximately 3,320 feet of Regnart Creek, from Bubb Road to Stelling Road, to accomplish the following objectives:

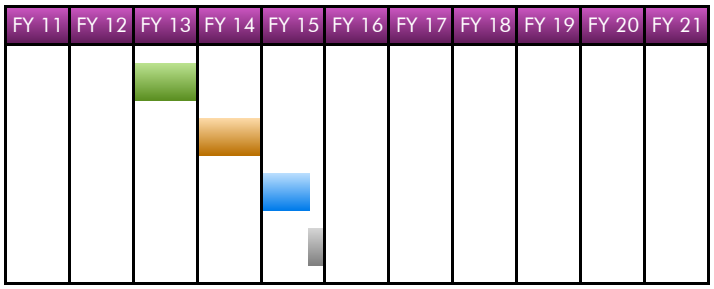
- Minimize impacts to adjacent homes and roads from bank erosion and channel incision.
- Improve water quality in Regnart Creek by reducing sediment deposition from bank erosion and channel incision.

PROJECT LOCATION

SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	479
Design	358
Construct	1,370
Closeout	10
	2,218



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
20C40316-Regnart Creek Stream Stabilization, Bubb to Stelling Roads	0	0	0	479	358	1,380	0	0	2,218
with inflation	0	0	0	509	395	1,554	0	0	2,457

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
20C40316-Regnart Creek Stream Stabilization, Bubb to Stelling Roads			0	0	509	395	1,554	0	0	2,457

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,457
Other Funding Source	0
Total	2,457

OPERATING COST IMPACTS

Operating cost impacts will be determined during the design phase.

USEFUL LIFE: 30+ Years

Project	**Thompson Creek Stream Stabilization, Quimby to Aborn Roads**
Program	Water Resources Stewardship
Priority No.	25
Project No.	62214001
District Contact	Melanie Richardson mrichardson@valleywater.org

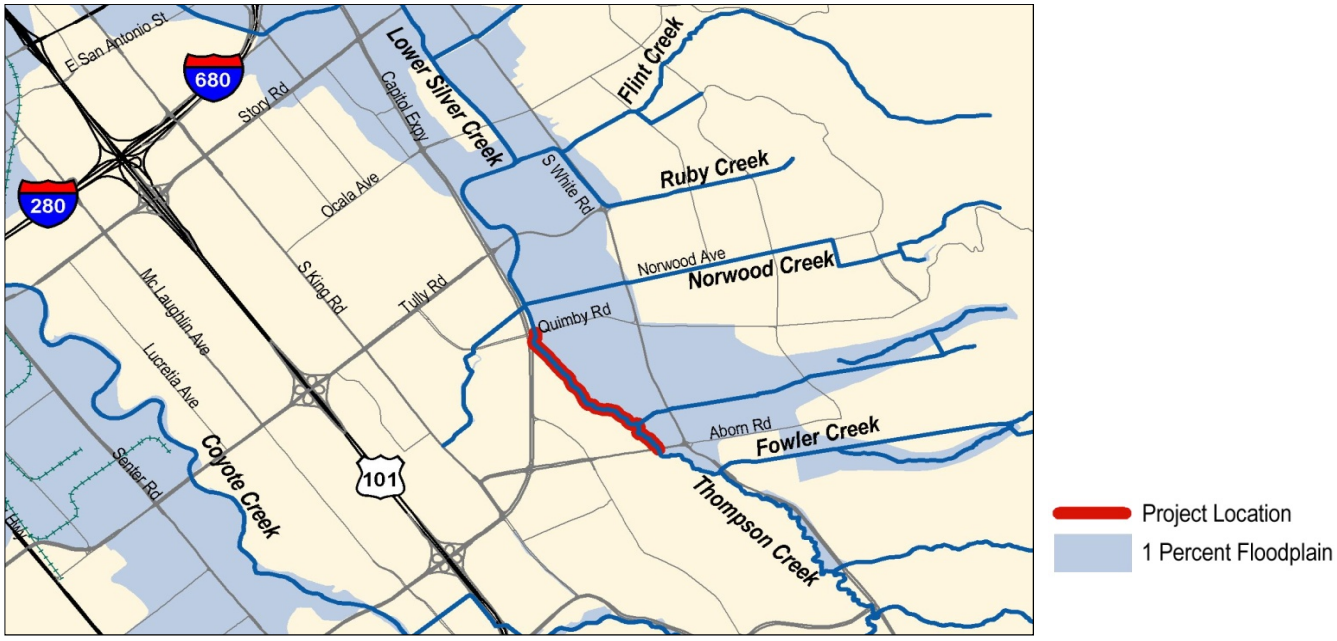
Severe bank erosion and undercutting of mature riparian habitat, results in significant sedimentation in downstream reaches of Thompson Creek.

PROJECT DESCRIPTION

This project coordinates with the U.S. Army Corps of Engineers under the Aquatic Ecosystem Restoration Program (Section 206 Program) to plan, design, and construct improvements along 1.2 miles of Thompson Creek, from Quimby Road to Aborn Road, and accomplishes the following objectives:

- Restore the low-flow channel to an equilibrium state.
- Restore riparian habitat adjacent to the low-flow channel.
- Improve water quality and provide diverse stream channel habitats.
- Provide erosion protection along the creek.
- Identify enhancement opportunities.

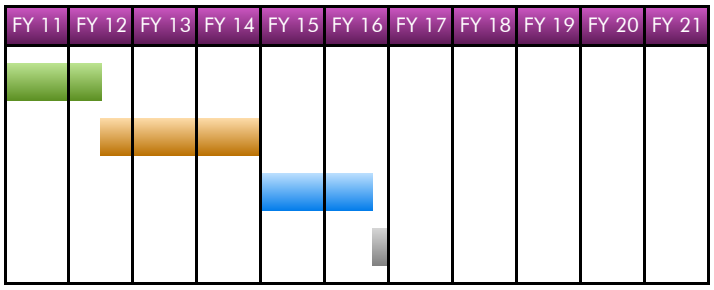
PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2016

Phase	Cost
Plan	261
Design	198
Construct	1,652
Closeout	20
	2,131



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
62214001-Thompson Creek Stream Stabilization, Quimby to Aborn Roads	91	80	138	85	1,565	76	96	0	2,131
with inflation	91	80	138	90	1,711	87	114	0	2,310

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
62214001-Thompson Creek Stream Stabilization, Quimby to Aborn Roads	2,256	0	2,085	0	0	0	0	54	0	2,310

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,310
Other Funding Source	0
Total	2,310
Federal Partner—Corps of Engineers	4,415

Of the total project cost, the Corps of Engineers will cost-share 65 percent, up to $5 million.

OPERATING COST IMPACTS

Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

BUILDINGS AND GROUNDS OVERVIEW

The District's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose. The District manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances.

With most of the buildings on campus over 30 years old, the rehabilitation needs increased steadily in recent years. The District administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Major Capital Improvements Identified in the CIP

- Almaden & Winfield Campus Small Capital Improvements

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the buildings and grounds projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the Almaden and Winfield Campus Small Capital Improvements will continue to be funded at $2 million per year to meet the higher priority Buildings and Grounds needs. A campus master plan is currently under way to evaluate the long term needs for the Almaden and Winfield campus.

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2010/11.

Buildings and Grounds Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
60204016	Almaden and Winfield Campus, Small Capital Improvements	n/a	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495
	TOTAL	n/a	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495

FY 2010/11 Funds to be reappropriated

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds – Funding Sources ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	General Fund	n/a	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495
	TOTAL	-	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495

FY 2010/11 Funds to be reappropriated

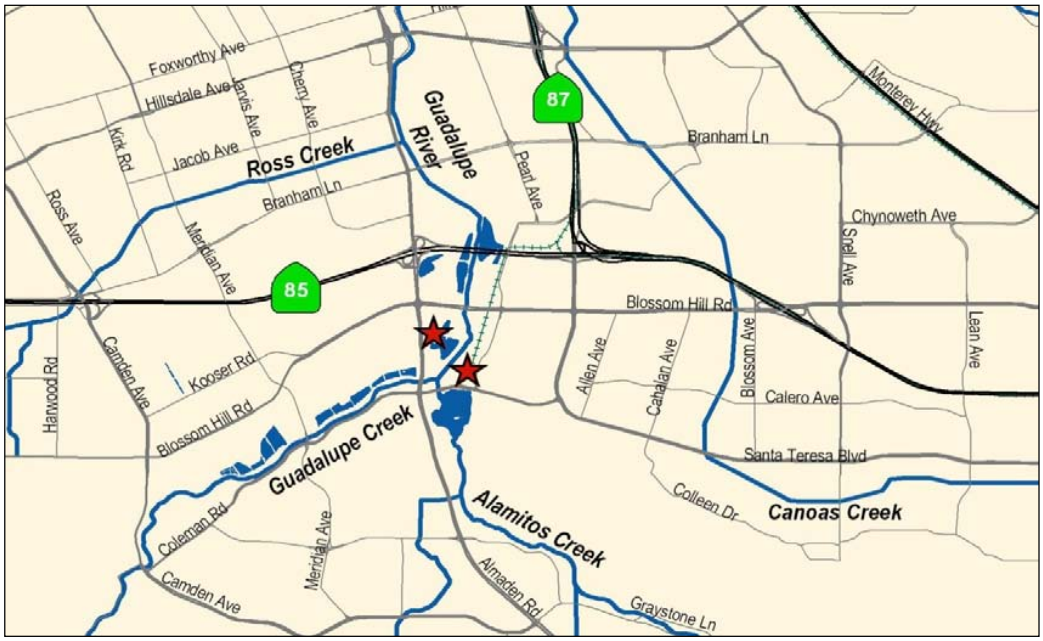
Project	**Almaden and Winfield Campus, Small Capital Improvements**
Program	Buildings and Grounds
Priority No.	73
Project No.	60204016
District Contact	Melanie Richardson mrichardson@valleywater.org

Workers perform asphalt maintenance by putting an overlay on the existing parking lot in front of the District's Administration Building.

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

Improvements will be managed on an as-needed basis throughout the year.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
60204016-Almaden and Winfield Campus, Small Capital Improvements	n/a	2,086	2,048	2,000	2,000	2,000	2,000	10,000	22,134
with inflation	n/a	2,086	2,048	2,124	2,202	2,284	2,368	10,383	23,495

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
60204016-Almaden and Winfield Campus, Small Capital Improvements	n/a	2,086	0	2,048	2,124	2,202	2,284	2,368	10,383	23,495

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	23,495
Other Funding Source	0
Total	23,495

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. The purpose of these maintenance projects is to avoid unnecessary financial impact caused by building shut-down and work stoppage.

USEFUL LIFE: Not Available

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

INFORMATION TECHNOLOGY OVERVIEW

The District manages a sophisticated information technology system to ensure the District's intellectual property, information, and files are protected from loss or significant damage. In 2001, the District completed the Information System Master Plan (ISMP). Significant progress has been made toward meeting the goals and objectives of the ISMP. The District administers an asset management program for its existing information technology system. The program includes a schedule for maintenance and rehabilitation to ensure that each system functions as intended over its useful life."

Major Capital Improvements Identified in the CIP

- Water Resources Information System
- Microwave Telecommunications System Upgrade
- Radio Repeater System Infill

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the information technology projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for information technology capital improvements was conducted to determine if there are limitations to funding all the planned capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. Due to financial constraints in both the Water Utility Enterprise Fund and the Watershed Stream Stewardship Fund the newly proposed Business Collaboration Platform project will not be funded in FY 2011/12.

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for information technology capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2010/11.

Information Technology Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
60274057	ISMP Water Resource Information System	3,090	189	52	-	-	-	-	-	-	3,279
94084006	Microwave Telecommunications System	2,572	1,869	302	-	-	-	-	-	-	4,441
60274061	PeopleSoft System Upgrade	1,342	-	303	-	-	-	-	-	-	1,342
00024005	Radio Repeater System Infill	626	17	55	1	371	22	-	-	-	1,037
	TOTAL	7,630	2,075	712	1	371	22	-	-	-	10,099

FY 2010/11 Funds to be reappropriated

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology – Funding Sources ($K)

Project Number	PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
	Water Enterprise Fund	3,604	1,877	495	0	174	10	-	-	-	5,666
	Watershed Stream Stewardship Fund	4,026	198	218	1	197	12	-	-	-	4,433
	TOTAL	7,630	2,075	712	1	371	22	-	-	-	10,099

FY 2010/11 Funds to be reappropriated

Project	**ISMP Water Resource Information System**
Program	Information Technology
Priority No.	50
Project No.	60274057
District Contact	Charles Wang cwang@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project develops and implements a new Water Resource Information System (WRIS), as defined in the Information Systems Master Plan (ISMP), to accomplish the following objectives:

- Develop a new WRIS that uses current technology and can be adequately supported by the vendor and the District's Information Management Division.
- Provide user interface that is easy to use and streamlines daily tasks.

PROJECT LOCATION

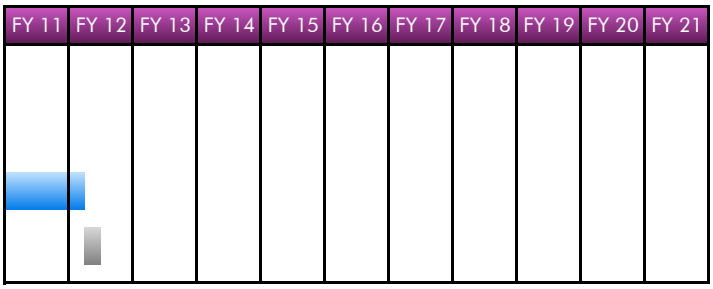
No map is provided for this project.

SCHEDULE & STATUS

August 2004 to October 2011

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	316
Design	774
Construct	2,168
Closeout	20
	3,278



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
60274057-ISMP Water Resource Information System	3,087	140	51	0	0	0	0	0	3,278
with inflation	3,087	140	51	0	0	0	0	0	3,278

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
60274057-ISMP Water Resource Information System	3,090	189	52	0	0	0	0	0	0	3,279

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,279
Other Funding Source	0
Total	3,279

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2012, for software maintenance costs.

USEFUL LIFE: 10 Years

Project	**Microwave Telecommunications System**
Program	Information Technology
Priority No.	30
Project No.	94084006
District Contact	Charles Wang cwang@valleywater.org

Microwave tower at the County Communications Center

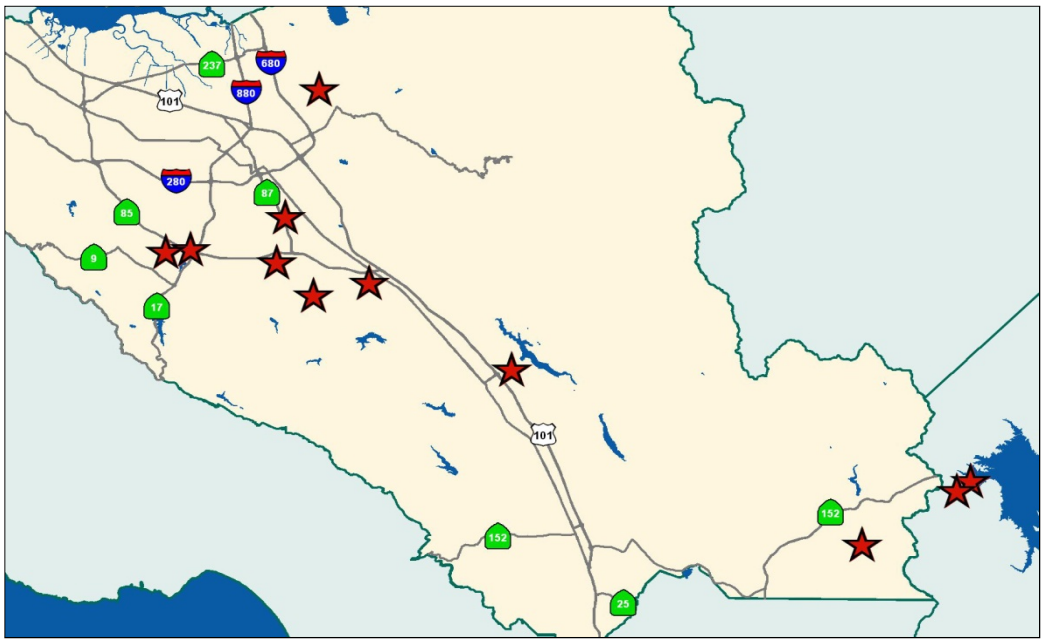
PROJECT DESCRIPTION

This project plans, designs, and installs microwave links at thirteen district sites to accomplish the following objectives:

- Expand the abilities of public agencies in Santa Clara County to communicate with each other quickly and securely during day-to-day operations, large-scale events, and regional disasters.
- Implement a countywide digital microwave network as the primary mechanism for real-time data delivery between network participant public safety interoperability applications.
- Provide reliable, high-speed, dedicated data links between mission critical facilities and the main district campus.

This project will be constructed in two phases. The first phase is all sites from Coyote Pump Station north. The second phase is the connection south to the City of Gilroy and to Pacheco Pump Station.

PROJECT LOCATION



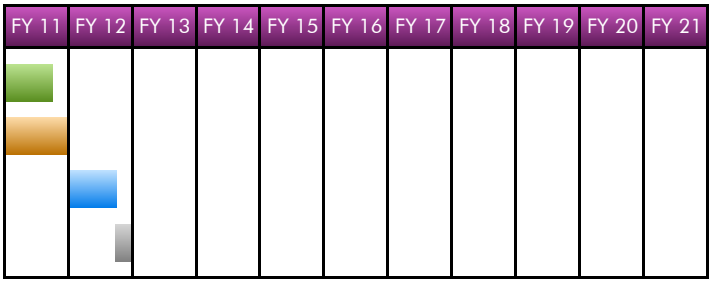
Project Location

PROJECT SCHEDULE

April 2009 to May 2012

Most planning tasks were done in a separate project. Installation is shown in the construction phase.

Phase	Cost
Plan	20
Design	136
Construct	4,086
Closeout	20
	4,262



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
94084006-Microwave Telecommunications System	1,213	2,926	123	0	0	0	0	0	4,262
with inflation	1,213	2,926	123	0	0	0	0	0	4,262

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
94084006-Microwave Telecommunications System	2,572	1,869	302	0	0	0	0	0	0	4,441

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $179,000. Unspent funds will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,441
Other Funding Source	0
Total	4,441

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year, beginning in FY 2013, by eliminating the cost of third-party telecommunications circuits.

USEFUL LIFE: 25 Years

Project	**PeopleSoft System Upgrade**
Program	Information Technology
Priority No.	31
Project No.	60274061
District Contact	Charles Wang cwang@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project plans and implements the financial and human resources 9.0 upgrade of PeopleSoft software to accomplish the following objectives:

- Provide enhanced processing, lower systems maintenance, and enhanced human resources features.
- Provide the necessary launch pad for potential conversion to the PeopleSoft Fusion product.
- Implement additional modules to support district business needs.

PROJECT LOCATION

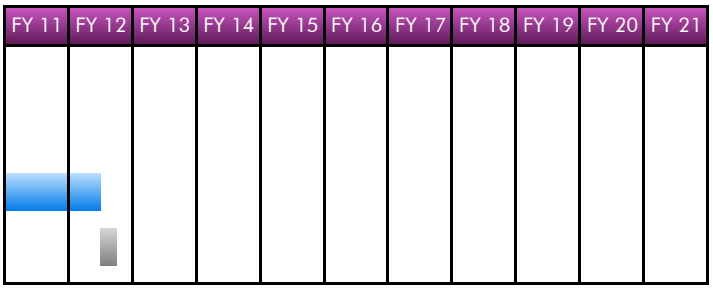
No map is provided for this project.

SCHEDULE & STATUS

July 2006 to March 2011

Planning phase is complete. Design phase is not applicable to this project. Project Implementation is shown as the Construction Phase.

Phase	Cost
Plan	114
Design	34
Construct	1,184
Closeout	10
	1,342



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
60274061-PeopleSoft System Upgrade	788	251	303	0	0	0	0	0	1,342
with inflation	788	251	303	0	0	0	0	0	1,342

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
60274061-PeopleSoft System Upgrade	1,342	0	303	0	0	0	0	0	0	1,342

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–45%	604
SCVWD Water Utility Enterprise Fund–55%	738
Total	1,342

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs, unless new software licenses are required. If a new software license is required, it could increase annual maintenance by $5,000.

USEFUL LIFE: 10 Years

Project	**Radio Repeater System Infill**
Program	Information Technology
Priority No.	44
Project No.	00024005
District Contact	Frank Fung ffung@valleywater.org

Radio tower at County Communications Center

PROJECT DESCRIPTION

The District's Radio system was originally constructed in 1986. This project studies the extent of repeater and receiver system infill and considers existing antenna sites that are available through the county, cities, and other public agencies to accomplish the following objectives:

- Expand the district's ability to communicate quickly and securely with Santa Clara County public agencies during day-to-day operations, large-scale events, and regional disasters.
- Increase reliability, availability, and performance of the county-wide radio system.
- Coordinate response from multiple agencies to an event by talking to users on common 700 MHz radio channels.
- Recommend new operational procedures to increase the level of emergency preparedness.

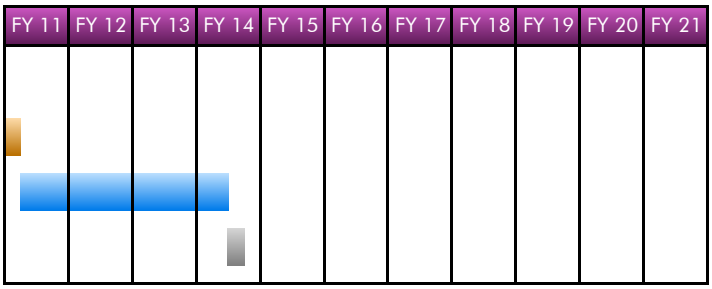
PROJECT LOCATION

Specific sites for this project have not been determined.

SCHEDULE & STATUS

July 2008 to March 2014

Phase	Cost
Plan	252
Design	35
Construct	707
Closeout	20
	1,014



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Future	
00024005-Radio Repeater System Infill	11	577	56	350	20	0	0	0	1,014
with inflation	11	577	56	371	22	0	0	0	1,037

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY10	FY11		FY12	FY13	FY14	FY15	FY16	Future	
00024005-Radio Repeater System Infill	626	17	55	1	371	22	0	0	0	1,037

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–53%	550
SCVWD Water Utility Enterprise Fund–47%	488
Total	1,037

OPERATING COST IMPACTS

Completion of this project is anticipated to increase annual operating costs by approximately $88,500 per year, beginning in FY 2014, for preventitive and corrective maintenance of radio equipment, lease of antenna sites, and ongoing training.

USEFUL LIFE: 15 Years

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL PLANNING

Board policy regarding financial planning and budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, "Financial planning for any fiscal year or the remaining part of any budget period shall not deviate materially from the Board's Ends priorities, risk fiscal jeopardy, or fail to be derived from a multiyear plan."

> Executive Limitation EL-4.1., "The CEO shall not fail to include credible projection of revenues and expenses, separation of capital and operational items, cash flow and disclosure of planning assumptions."
>
> Executive Limitation EL-4.2, "The CEO shall not plan the expenditure in any budget period of more funds than are conservatively projected to be received or appropriated from reserves in that period."

KEY REVENUES SOURCES

Water Charges

- Water charges include a ground water production charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and W-5. The basic user charge is applied to other types of water delivered by the District. There are two rates: one for agricultural water and one for municipal and industrial water.
- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from the District's water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to the District from ad valorem taxes levied on land within the county.

Special Parcel Tax

The special parcel tax was approved by the voters in Santa Clara County in November 2000. This revenue source is restricted to financing the costs of the District's Clean, Safe Creeks and Natural Flood Protection Program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The current FY 2011/12 budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each Watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by the District and its partners. The District fronts the partners' shares of capital expenditures and receives reimbursements from the partners at a later time.

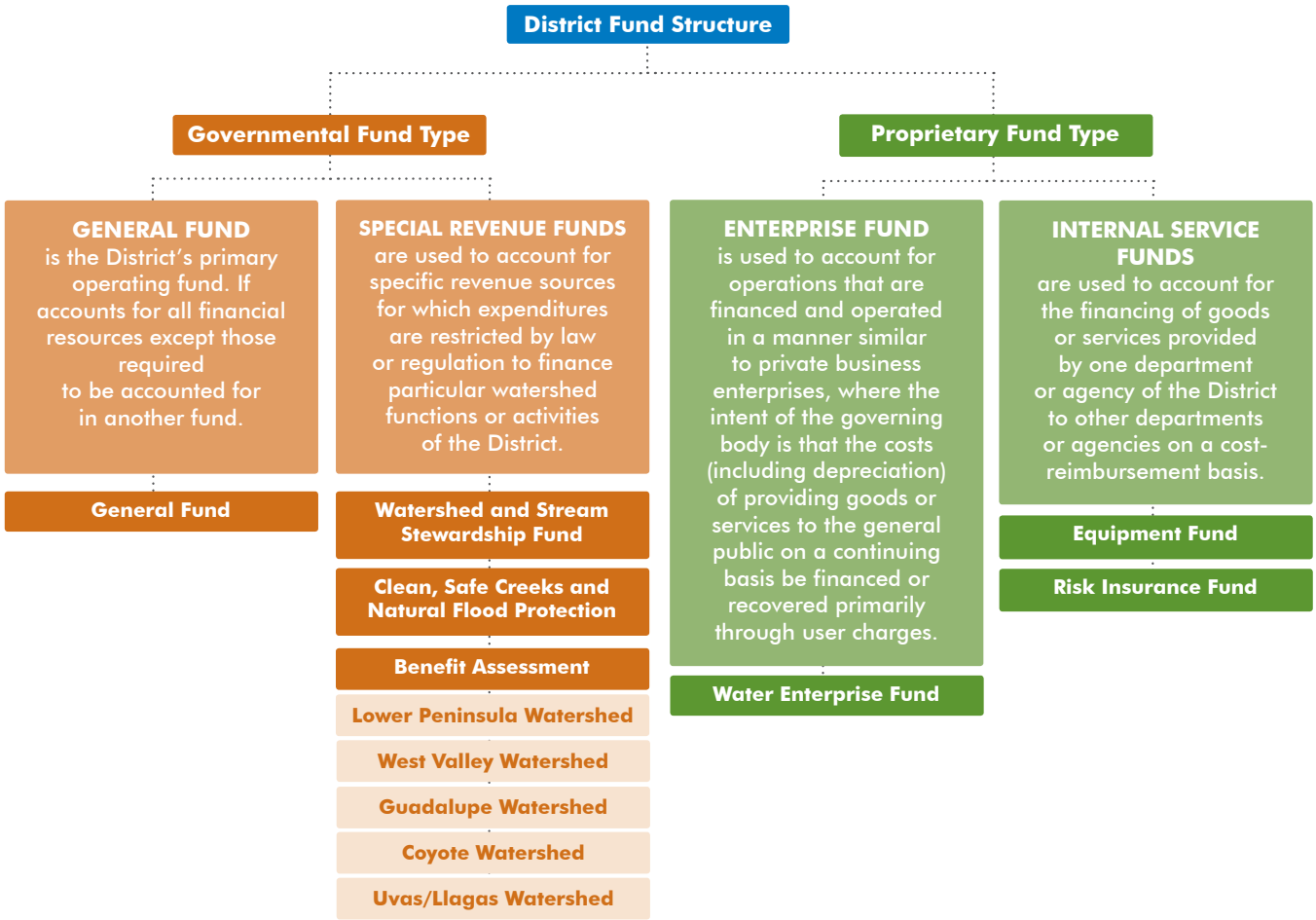
Interest

Interest is earned from the District's investment portfolio.

FINANCIAL PLANNING AND SUMMARY

District Fund Structure

The District's revenue sources are organized into seven funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.



Revenue by Fund ($K)

FUND NAME	FY11 Budget	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21
Water Enterprise	169,547	175,456	178,545	193,798	209,987	226,759	245,823	263,793	279,800	295,375	309,766
Watershed Stream Stewardship	67,030	67,387	57,880	53,303	51,797	53,134	54,910	56,985	59,154	61,423	63,821
Clean, Safe Creeks and Natural Flood Protection	40,999	47,035	59,608	44,838	52,972	63,706	-	-	-	-	-
Benefit Assessment	19,088	19,147	19,183	16,149	16,079	14,778	14,785	14,778	14,778	13,447	13,458
General	5,195	5,091	5,091	5,193	5,380	5,574	5,775	5,982	6,198	6,421	6,652
Internal Service	329	377	377	377	377	377	377	377	377	377	377
TOTAL	302,189	314,493	320,684	313,657	336,591	364,328	321,669	341,914	360,306	377,043	394,073

Note: Internal Service is the combination of the Equipment and Risk Funds

FINANCIAL PLANNING AND SUMMARY

Revenue Projections

The District regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial and industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.

- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from the District's investment portfolio.

- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by the District and its partners.

Expenditure Projections

The District regularly updates the operation and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project's scope and schedule. The expenditures are monitored regularly and updated when necessary, e.g. expenditures are updated when a project's scope changes. A management review process is enforced to ensure only justified expenditure changes are approved.

Operation cost projections for the next 10 years are updated annually and are based on assumptions derived from the District's strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of the District's budget.

Financial Analysis

The District regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting Policy. The District uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues, from all sources, allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

Debt Projections and Debt Ratios

Debt is managed at the District depending on the type of District business involved. Under the watershed business, the District has no current plans to issue additional debt which would require taxpayer approval. Debt service on outstanding debt is funded by benefit assessments levied on property owners in the county.

The water utility business on the other hand uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rate, caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave the District's water utility the authority to issue bonds on an "as required" basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that the District must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

The District currently enjoys credit ratings that are among the highest for a water-related governmental entity in the state of California, which helps keep interest costs borne by the District at a minimum.

Relationship between the Operating Budget and CIP

Whenever the District commits to capital improvements, there is a potential for associated long-range commitment of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and, are evaluated individually during the project development stage. The District is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in the District's financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments. The debt service payment in the Watershed Stream Stewardship Fund is a total of payments associated with each individual watershed.

Debt Payment Schedule ($K)

Fund	FY12	FY13	FY14	FY15	FY16
General Fund	769	771	628	623	533
Watershed Stream Stewardship Fund	15,728	15,723	13,272	13,215	12,164
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-
Water Utility Enterprise Fund	16,308	20,386	24,835	29,428	34,024
TOTAL	32,805	36,880	38,735	43,266	46,721

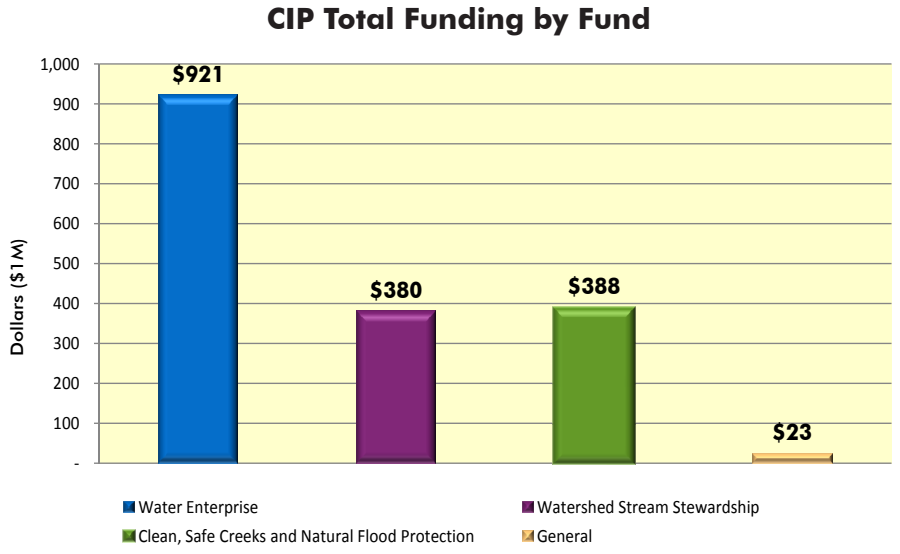
This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

Estimated Operating Impacts ($K)

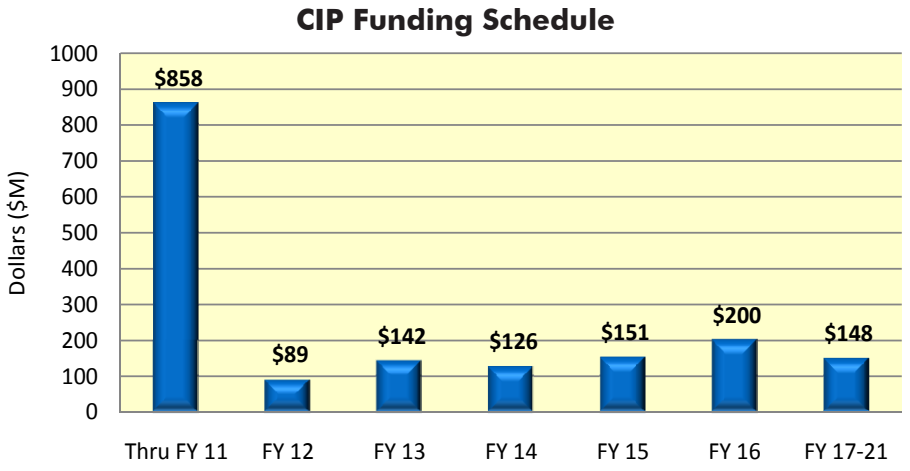
Fund	FY12	FY13	FY14	FY15	FY16	BEYOND
General Fund	-	-	-	-	-	-
Watershed Stream Stewardship Fund	452	502	579	594	593	628
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	250	730
Water Utility Enterprise Fund	297	2,154	2,233	2,208	2,197	3,701
TOTAL	750	2,657	2,812	2,802	3,040	5,059

CIP FUNDING SUMMARY

Of the $1.713 billion in total District funding for current and future projects, the Board appropriated $858 million in prior years through June 30, 2011 (the end of Fiscal Year 2010/11). This year's CIP process identified additional funding needs of $855 million to complete the projects in the CIP, with $89 million allocated in Fiscal Year 2011/12 and a total of $766 million proposed for future years.



The needed $1.713 billion to implement the 90 projects as defined in the CIP are funded by four of the District's seven Funds.



The following chart shows the funding schedule for the $1.713 billion to implement the 90 projects.

CIP Project Funding Schedule for Water Enterprise Fund ($K)

PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
Almaden Dam Outlet Works Improvements	2,103	-	-	-	743	771	685	1,184	11,746	17,232
Anderson Dam Seismic Retrofit	-	683	-	9,421	903	10,076	16,124	85,942	2,897	126,046
Coyote Dam Control Building Improvements	444	-	-	49	-	-	-	-	-	493
Dam Instrumentation	5,682	-	-	-	-	-	605	5,899	408	12,594
Dam Safety Program Seismic Stability	5,861	808	-	2,816	565	198	-	-	-	10,248
Lenihan Dam Outlet Modifications	60,559	(500)	3,904	-	-	-	-	-	-	60,059
Pacheco Pumping Plant ASD Replacement	10,812	6,606	476	669	1,070	264	-	-	-	19,421
Pacheco Pumping Plant Regulating Tank Recoating	3,907	20	871	27	-	-	-	-	-	3,954
San Felipe Communications Cable Replacement	657	210	573	-	-	1,302	6	-	-	2,175
San Luis Reservoir Low Point Improvement - Planning	15,235	-	1,979	-	-	-	-	-	-	15,235
San Tomas Well Field	12,474	-	73	-	-	-	-	-	-	12,474
Small Capital Improvements, San Felipe Reach 1-3	n/a	1,388	-	2,403	2,338	2,424	2,514	2,607	14,658	28,332
Alamitos Diversion Dam Improvements	2,962	-	2,125	-	-	258	-	-	-	3,220
Almaden-Calero Canal Rehabilitation	2,589	-	1,131	-	-	204	5,751	1,283	-	9,827
Cathodic Protection of USBR-Owned Pipelines	-	-	-	-	489	468	3,840	-	-	4,797
Coyote Diversion Dam Improvements	709	-	389	-	582	1,172	-	-	-	2,463
East Pipeline Rehabilitation, Patt to Milpitas PL	1,512	1,415	2	728	-	-	-	-	-	3,655
IRP2 Additional Line Valves	-	-	-	-	-	-	693	853	6,815	8,361
IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	38	127	805	642	-	1,612
Kirk Diversion Dam & Fish Screen Improvements	3,196	-	2,248	-	-	1,205	570	-	-	4,971
Main & Madrone Pipelines Restoration	4,043	1,905	4,572	-	769	374	-	-	-	7,091
Penitencia Fish Facilities Modifications	276	238	5	476	-	-	-	-	-	990
Pipeline Hydraulic Reliability Upgrades (Planning)	-	136	-	139	-	-	-	-	-	275
Small Capital Improvements, Raw Water Transmission	n/a	800	-	1,079	1,252	1,228	1,257	1,287	6,914	13,817
Small Capital Improvements, Treated Water Transmission	n/a	-	-	-	1,506	1,067	387	420	2,905	6,285
South County Pipeline Right of Way Acquisition	174	192	15	487	1,120	-	-	-	-	1,973
Stevens Creek Supplemental Water	122	316	373	-	81	1,211	2,170	26,925	1,105	31,930
IRP2 Seismic Study and Retrofit of WTP Ops Bldg	4,314	-	2,982	-	5,747	3,469	2,736	-	-	16,266
IRP2 Well Fields	-	79	-	157	258	5,978	5,798	6,012	59,560	77,842
PWTP Ammonia System Relocation and Upgrades	-	-	-	-	-	679	3,418	300	-	4,397
PWTP Chemical Systems Upgrade	1,353	-	760	-	-	-	-	1,791	268	3,412
PWTP Clearwell Recoating & Repair	-	1,003	520	405	3,009	50	-	-	-	4,467

FY 2010/11 Funds to be reappropriated

CIP Project Funding Schedule for Water Enterprise Fund ($K) (cont'd)

PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
PWTP Filter Basin Covers	-	-	-	-	386	666	-	-	-	1,052
PWTP Improvement Stage 2	69,586	-	11	13	-	-	-	-	-	69,599
PWTP Large Valve Automation	-	-	-	-	815	150	-	-	-	965
PWTP Maintenance Building	5,697	-	719	-	-	-	-	-	-	5,697
PWTP Washwater Clarification Facility	-	-	-	-	480	573	6,092	-	-	7,145
PWTP Water Pumps Modification	606	2,139	2,522	-	286	503	5	-	-	3,539
RWTP BL-1 Valve & Vault Replacement	-	-	-	-	-	-	248	1,150	117	1,515
RWTP Chemical System Upgrade	5,960	-	36	66	-	-	-	-	-	6,026
RWTP Filter Polymer System Improvement	-	-	-	-	-	208	1,093	97	-	1,398
RWTP FRP Chemical Storage Structure & Pump Valves Upgrades	307	671	346	-	3,272	749	177	-	-	5,176
RWTP FRP Clarifier Rehabilitation	6,337	-	527	-	-	-	-	-	-	6,337
RWTP FRP Primary Electrical System Improvement	1,170	4,258	759	142	308	-	-	-	-	5,878
RWTP FRP Residuals Management Modifications	2,903	251	1,566	426	14,175	1,189	206	-	-	19,150
RWTP Reliability Improvement	2,110	346	693	321	5,416	1,410	39,314	44,719	11,348	104,984
RWTP Standby Power System Upgrade	1,913	-	123	185	131	-	-	-	-	2,229
RWTP Valve Replacements	6,018	-	356	-	-	-	-	-	-	6,018
Small Capital Improvements, Water Treatment	n/a	1,398	-	1,148	1,190	1,234	1,280	1,327	7,412	14,989
STWTP Incompatible Materials	6,580	1,171	7	347	-	-	-	-	-	8,098
Water Protection	7,599	-	5,606	131	393	-	-	-	-	8,123
WTP I/O Cards & Trunk Cable Upgrades	5,286	-	938	-	-	-	-	-	-	5,286
Bay Area Regional Desalination, Mallard Slough Pilot Plant	500	-	300	-	-	-	-	-	-	500
Recycled Water Masterplan	7,032	6,898	439	195	-	-	-	-	-	14,125
South Bay Advanced Recycled Water Treatment Plant	6,649	37,680	486	18,425	924	-	-	-	-	63,678
Water Efficient Demonstration Garden	1,969	-	1,752	-	20	95	-	-	-	2,084
Jacques Gulch Restoration	5,383	142	-	70	125	32	50	-	-	5,802
Dam Maintenance Plan Mitigation	3,000	-	1	45	-	-	-	-	-	3,045
FAHCE Stevens Creek Fish Passage Enhancement - 90%	765	-	-	-	2,324	4,760	3,716	-	-	11,565
Ogier Ponds Separation from Coyote Creek	-	-	-	-	-	465	482	2,913	8,634	12,494
ISMP Water Resource Information System	3,090	189	52	-	-	-	-	-	-	3,279
Microwave Telecommunications System	2,572	1,869	302	-	-	-	-	-	-	4,441
PeopleSoft System Upgrade - 55%	738	-	167	-	-	-	-	-	-	738
Radio Repeater System Infill - 47%	294	8	26	0	174	10	-	-	-	487
TOTAL	293,048	72,319	40,732	40,370	50,889	44,569	100,022	185,351	134,787	921,356

FY 2010/11 Funds to be reappropriated

Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
Adobe Creek, El Camino to Rhus Ridge (Reach 1-13)	24,661	138	3	251	-	-	-	-	-	25,050
Permanente Creek, SF Bay to Foothill Expressway	17,321	40	10	-	1	-	-	-	-	17,362
San Francisquito Creek, SF Bay thru Searsville Dam, LP	4,871	47	95	-	-	-	-	-	-	4,918
San Francisquito Creek, Early Implementation, LP	1,303	394	1	-	-	-	-	-	-	1,697
Calabazas Creek, UPRR Bridge Construction	-	1,760	-	-	-	-	-	-	-	1,760
Guadalupe River–Downtown, I-880 to I-280	105,075	471	6,032	371	-	-	-	-	-	105,917
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	28,833	7,883	1,814	479	1,804	264	274	10,374	1,768	51,679
Lake Cunningham Improvements	101	-	-	391	2,847	5,629	-	-	-	8,968
Lower Penitencia Creek, Berryessa to Coyote Creeks.	-	156	-	391	275	5,574	11	-	-	6,407
Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	14,438	35,034	10	15,607	726	110	114	178	-	66,207
Upper Penitencia Creek, Coyote Creek to Dorel Drive	15,004	884	506	1,545	-	-	-	-	-	17,433
Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1,341	803	33	1,323	1,407	2,867	371	-	-	8,112
San Francisco Bay Shoreline - Planning	11,433	236	1,525	584	-	-	-	-	-	12,253
CSC Soap Lake Floodplain Property Acquisition - $93	28	18	-	47	-	-	-	-	-	93
SMP Mitigation, Laguna Seca Freshwater Wetland	8,701	-	6,798	438	5,785	643	667	668	627	17,529
SMP Mitigation, Stream and Watershed Land Preservation	8,633	-	3,500	-	-	-	-	-	-	8,633
Alviso Slough Restoration	3,428	354	319	1,528	10,017	993	-	-	-	16,320
FAHCE Stevens Creek Fish Passage Enhancement - 10%	85	-	-	-	258	529	413	-	-	1,285
Gold Street Educational Center	1,509	774	3	322	16	34	-	-	-	2,655
Regnart Creek Stream Stabilization, Bubb to Stelling Rds.	-	-	-	-	509	395	1,554	-	-	2,458
Thompson Creek Stream Stabilization, Quimby to Aborn Rds.	2,256	-	2,085	-	-	-	-	55	-	2,311
PeopleSoft System Upgrade - 45%	604	-	136	-	-	-	-	-	-	604
Radio Repeater System Infill - 53%	332	9	29	1	197	12	-	-	-	550
TOTAL	249,957	49,001	22,900	23,278	23,842	17,050	3,404	11,275	2,395	380,201

FY 2010/11 Funds to be reappropriated

Project Funding Schedule for Clean Safe Creeks and Natural Flood Protection Fund ($K)

PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
Permanente Creek, SF Bay to Foothill Expressway	2,259	13,867	12,181	915	20,239	661	685	178	-	38,804
San Francisquito Creek, SF Bay thru Searsville Dam, CSC	-	-	-	1,266	2,903	3,083	-	-	-	7,252
San Francisquito Creek, Early Implementation, CSC	-	-	-	1,270	2,145	-	-	-	-	3,415
Calabazas Creek, Miller Avenue to Wardell Road	16,289	1,194	7,526	-	-	-	-	-	-	17,483
Sunnyvale East and West Channels	6,948	1,066	157	3,829	8,404	41,266	38,510	59	-	100,082
Guadalupe River–Upper, I-280 to Blossom Hill Road	86,986	17,891	17,146	11,005	7,817	4,161	2,390	-	-	130,250
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	11,583	335	4,596	107	7,850	278	289	166	-	20,608
Coyote Creek, Montague Expressway to Interstate 280	10,845	1,033	2,301	3,380	9,306	6,908	3,197	397	-	35,066
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	19,689	1,672	2,463	1,073	5,666	5,506	69	237	-	33,912
CSC Soap Lake Floodplain Property Acquisition - $250	250	-	-	-	-	-	-	-	-	250
Lake Almaden, Guadalupe Rv, Los Alamitos Ck Restoration	-	-	-	316	514	-	-	-	-	830
TOTAL	154,849	37,058	46,370	23,161	64,844	61,863	45,140	1,037	-	387,952

FY 2010/11 Funds to be reappropriated

Project Funding Schedule for General Fund ($K)

PROJECT NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495
TOTAL	-	2,086	-	2,048	2,124	2,202	2,284	2,368	10,383	23,495

FY 2010/11 Funds to be reappropriated

CIP Funding Schedule Summary for All Funds ($K)

FUND NAME	Through FY10	FY11	FY11 Unspent	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
Water Enterprise	293,048	72,319	**40,732**	40,370	50,889	44,569	100,022	185,351	134,787	921,356
Watershed Stream Stewardship	249,957	49,001	**22,900**	23,278	23,842	17,050	3,404	11,275	2,395	380,201
Clean, Safe Creeks and Natural Flood Protection	154,849	37,058	**46,370**	23,161	64,844	61,863	45,140	1,037	-	387,952
General	-	2,086	**0**	2,048	2,124	2,202	2,284	2,368	10,383	23,495
TOTAL	697,854	160,464	**110,001**	88,857	141,699	125,684	150,850	200,031	147,565	1,713,004

FY 2010/11 Funds to be reappropriated

WATER SUPPLY CAPITAL PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (75%)

Water Supply (E 2) Impact = ; Probability = 0.00

A ☐ Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements. **(H+, H-, M+, M-, L)**

B ☐ Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. **(H, M, L)**

C ☐ Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. **(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))**

SOCIAL FACTORS (7.5%)

Social Factor - Check if applicable 0.00

☐ Promotes Emergency Recovery

Positive Interaction (E 4) - Check all that apply

☐ With the Community ☐ With other agencies

ENVIRONMENTAL FACTORS (7.5%)

Water Quality (E 3.2) - Check if applicable 0.00

☐ Promotes drinking water quality

Natural Resources Sustainability (E 3.2) - Check all that apply

☐ Promotes water use efficiency ☐ Promotes energy efficiency or incorporates energy efficient features

☐ Promotes stream management

ECONOMIC FACTORS (10%)

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000

☐ Annual cost savings of $50,000 to $250,000

☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies

☐ 26% to 50% of project costs available from other agencies

☐ Up to 25% of project costs available from other agencies

FLOOD PROTECTION PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Flood Protection (E 3) Impact = ; Probability = 0.00

A ☐ Project restores existing watershed infrastructure to its intended level of flood protection.

B Project balances environmental quality and protection from flooding in a cost effective manner.

Average annual flood damages (13.5 pts.)		$K
Size of developed area (2 pts.)		Acres
Upstream and downstream improvements (1.3 pts.)		Y/N
Rehabilitated reach (1.8 pts.)		Y/N
Proposed development (1 pt.)		Acres
Downstream reach (1.3 pts.)		Y/N
Maintenance cost (1.4 pts.)		per Mile
Multipurpose use (1.5 pts.)		Miles
Flood insurance costs (1.6 pts.)		$
Historical flood areas (1.6 pts.)		Acres

SOCIAL FACTORS (10%)

Positive Interaction (E 4) - Check all that apply 0.00

☐ With the Community ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features

☐ Trash removal features (vortex weirs)

☐ Improves esthetics of project location

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

☐ Fish Barrier Removal / Structural improvement to fish habitat ☐ Upland Habitat Protection/Preservation

☐ Riparian Habitat (planting, setback or protect in place) ☐ Wetland Habitat Protection/Preservation

☐ SRA Plantings or Improved water temperature ☐ Hardscape Reduction

Water Quality (E 3.2) - Check all that apply

☐ Storm Water Treatment ☐ Provides opportunity for recharge

☐ TMDL Improvements

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features ☐ Open Space Protection / Preservation

☐ Provides/Improves Bicycle Commute Route

ECONOMIC FACTORS (15%)

Funding Available from Other Agencies - Check One 0.00

☐ Over 50% of project costs available from other agencies

☐ 26% to 50% of project costs available from other agencies

☐ Up to 25% of project costs available from other agencies

WATER RESOURCES STEWARDSHIP PROJECTS

Priority Ranking Criteria for Commitments and Environmental Enhancement Projects

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PROJECT OBJECTIVES	**Water Resources Stewardship (E 4)** - Mark One	0.00
	Proposed project supports watershed stewardship and includes 1 of 5 objectives: 1 - creation or restoration of tidal or riparian habitat 2 - improvement of endangered species habitat 3 - fish barrier removal/fish ladder installation 4 - removal of invasive species 5 - planting of native species.	
	☐ **HIGH** - Project supports more than 1 identified objective	15
	☐ **MEDIUM** - Project supports 1 of 5 identified objectives	10
	☐ **LOW** - Project does not support 1 of 5 identified objectives	7
ENVIRONMENTAL DESIRABILITY	Proposed project is appropriate for the area/habitat in which it is planned (based on some evidence provided). - Mark One	0.00
	☐ **HIGH** - Project demonstrates connectivity to adjacent habitats and bsaseline information is available to support selection of project location.	15
	☐ **MEDIUM** -	10
	☐ **LOW** - Project is a stand-alone project with no relation to adjacent habitat or baseline evidence that supports appropriateness of location for project.	5
CRITICAL NEED	Project fulfills a critical need as described by existing documents, plans, and reports on watershed stewardship in Santa Clara County. - Mark One	0.00
	☐ **HIGH** - Project fulfills a critical need	15
	☐ **MEDIUM** -	10
	☐ **LOW** - Project does not fulfill a critical need	5
GEOGRAPHIC DISTRIBUTION	Project provides planning for enhancements in an area where a lack of environmental enhancements can be demonstrated. - Mark One	0.00
	☐ **HIGH** - Project demonstrates that the project location is in need of enhancements due to lack of existing enhancements.	15
	☐ **MEDIUM** -	10
	☐ **LOW** - Project does not demonstrates that the project location is in need of enhancements due to lack of existing enhancements.	5
LIKELIHOOD OF PROJECT SUCCESS	Maintenance and monitoring copmponent identified for environmental enhancement activity. - Mark One	0.00
	☐ **HIGH** - Project includes specific details for the maintenance and monitoring component of the environmental enhancement activity.	15
	☐ **MEDIUM** - Project includes recognition that a maintenance and monitoring component is necessary for successful completion of the environmental enhancement activity.	10
	☐ **LOW** - Project does not include a maintenance and monitoring component for the environmental enhancement activitie(s)	5
COST EFFECTIVENESS	Cost to the District as a percentage of the total estimated enhancement planning project cost. - Mark One	0.00
	☐ **HIGH** - Project provides > 50% cost share (i.e., less District funding required)	15
	☐ **MEDIUM** - Project provides between 25% and 50% cost share	7
	☐ **LOW** - Project provides at least 25% cost share (i.e., more District funding required)	5
COMMUNITY INVOLVEMENT	Proposed project includes plans for outreach to the community. - Mark One	0.00
	☐ **HIGH** - Project includes a community outreach component	10
	☐ **MEDIUM** -	7
	☐ **LOW** - Project does not include a community outreach component.	5

WATER RESOURCES STEWARDSHIP PROJECTS

Priority Ranking Criteria for Stewardship Projects

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Stewardship Projects Impact = ; Probability = 0.00

A ☐ Project restores a previously constructed environmental enhancement so that it can continue to provide the benefits for which it was created.

B ☐ Project creates Stewardship features to achieve stewardship commitments.

C ☐ Stewardship activities beyond the current commitment.

SOCIAL FACTORS (10%)

Positive Interaction (E 4) - Check all that apply 0.00

☐ With the Community

☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features

☐ Trash removal features (vortex weirs)

☐ Improves esthetics of project location

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

☐ Fish Barrier Removal / Structural improvement to fish habitat

☐ Riparian Habitat (planting, setback or protect in place)

☐ SRA Plantings or Improved water temperature

☐ Upland Habitat Protection/Preservation

☐ Wetland Habitat Protection/Preservation

☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

☐ Holistic Watershed Approach

☐ Geomorphologic Design Elements

☐ Erosion Control

☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

☐ Storm Water Treatment (pervious pavement, green roofs, etc.)

☐ TMDL Improvements

☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features

☐ Provides/Improves Bicycle Commute Route

☐ Open Space Protection / Preservation

ECONOMIC FACTORS (15%)

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000

☐ Annual cost savings of $50,000 to $250,000

☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies

☐ 26% to 50% of project costs available from other agencies

☐ Up to 25% of project costs available from other agencies

BUILDING & GROUNDS PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Buildings and Grounds (EL 3.4) Impact = ; Probability = 0.00

A ☐ Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.

B ☐ Project enhances building infrastructure to address treatment of staff issues.

C ☐ Project positions the District to meet projected future space needs.

CLEANER OBJECTIVE (10%)

Positive Interaction (E 4) - Check all that apply 0.00

☐ With the Community

☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features

☐ Trash removal features (vortex weirs)

☐ Improves esthetics of project location

GREENER OBJECTIVE (15%)

Natural Resources Sustainability (E 3.2) - Check all that apply 0.00

☐ Air Quality & Visibility Improvement

☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)

☐ Renewable Energy Use

☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.

☐ Recycled Water, rain water or gray water utilized

☐ Construction Site Waste Management

☐ Recycle/Re-use Solid Waste

☐ Reduce Solid Waste Production

☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features

☐ Provides/Improves Bicycle Commute Route

☐ Open Space Protection / Preservation

LEANER OBJECTIVE (15%)

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000

☐ Annual cost savings of $50,000 to $250,000

☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies

☐ 26% to 50% of project costs available from other agencies

☐ Up to 25% of project costs available from other agencies

INFORMATION TECHNOLOGY PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

SCORE = 0

PRIMARY OBJECTIVE (60%)

Information Technology (EL 7.5) Impact = ; Probability = 0.00

A ☐ Project maintains existing mission critical software systems and/or IT infrastructure to improve reliability for business continuity.

B ☐ Project enhances mission critical software systems and/or IT infrastructure to improve user functionality.

C ☐ Project enhances mission critical software systems and/or IT infrastructure to meet projected future needs.

SOCIAL FACTORS (10%)

Positive Interaction (E 4) - Check all that apply 0.00

☐ With the Community

☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features

☐ Trash removal features (vortex weirs)

☐ Improves esthetics of project location

ENVIRONMENTAL FACTORS (15%)

Natural Resources Sustainability (E 3.2) - Check all that apply 0.00

☐ Air Quality & Visibility Improvement

☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)

☐ Renewable Energy Use

☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.

☐ Recycled Water, rain water or gray water utilized

☐ Construction Site Waste Management

☐ Recycle/Re-use Solid Waste

☐ Reduce Solid Waste Production

☐ Use of Recycled or Alternative Building Materials

ECONOMIC FACTORS (15%)

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000

☐ Annual cost savings of $50,000 to $250,000

☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies

☐ 26% to 50% of project costs available from other agencies

☐ Up to 25% of project costs available from other agencies

Water Supply Capital Projects in Order of Priority

FUNDED

Priority	Name
100	Dam Safety Program Seismic Stability
97	Anderson Dam Seismic Retrofit
90	PWTP Maintenance Building
90	RWTP FRP Clarifier Rehabilitation
87	RWTP FRP Chemical Storage Structure & Pump Valves Upgrades
87	RWTP FRP Primary Electrical System Improvement
87	RWTP FRP Residuals Management Modifications
81	Main & Madrone Pipelines Restoration
80	Pacheco Pumping Plant ASD Replacement
80	PWTP Improvement Stage 2
77	RWTP Valve Replacements
75	PWTP Water Pumps Modification
72	Alamitos Diversion Dam Improvements
72	Coyote Diversion Dam Improvements
72	Kirk Diversion Dam & Fish Screen Improvements
72	San Felipe Communications Cable Replacement
72	Small Capital Improvements, Raw Water Transmission
71	Cathodic Protection of USBR-Owned Pipelines
71	RWTP Filter Polymer System Improvement
70	IRP2 Seismic Study and Retrofit of WTP Ops Bldg
69	Stevens Creek Supplemental Water
68	PWTP Clearwell Recoating & Repair
68	WTP I/O Cards & Trunk Cable Upgrades
67	Small Capital Improvements, Water Treatment
66	Small Capital Improvements, San Felipe Reach 1-3
66	STWTP Incompatible Materials
65	Coyote Dam Control Building Improvements
65	Small Capital Improvements, Treated Water Transmission
64	Lenihan Dam Outlet Modifications
64	PWTP Ammonia System Relocation and Upgrades
63	Pacheco Pumping Plant Regulating Tank Recoating
60	South County Pipeline Right of Way Acquisition
58	RWTP BL-1 Valve & Vault Replacement
58	RWTP Standby Power System Upgrade
56	East Pipeline Rehabilitation, Patt to Milpitas PL
56	RWTP Chemical System Upgrade
53	San Luis Reservoir Low Point Improvement - Planning

Water Supply Capital Projects in Order of Priority (cont'd)

FUNDED

Priority	Name
49	PWTP Washwater Clarification Facility
47	PWTP Chemical Systems Upgrade
46	RWTP Reliability Improvement
40	Almaden Dam Outlet Works Improvements
40	IRP2 Additional Line Valves
38	Penitencia Fish Facilities Modifications
36	Almaden-Calero Canal Rehabilitation
34	Water Protection
33	Dam Instrumentation
33	San Tomas Well Field
30	IRP2 Well Fields
27	IRP2 Backup Raw Water Control Center at Almaden
21	Pipeline Hydraulic Reliability Upgrades (Planning)
19	PWTP Filter Basin Covers
17	South Bay Advanced Recycled Water Treatment Plant
16	Recycled Water Masterplan
13	PWTP Large Valve Automation
8	Water Efficient Demonstration Garden
5	Bay Area Regional Desalination, Mallard Slough Pilot Plant

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS

100	Dam Seismic Stability at 7 Dams (Placeholder)
44	San Luis Reservoir Low Point Improvement - Design and Construction
43	Church Avenue Diversion
29	RWTP Advanced Treatment
24	RWTP Waste Stream Separation Modification
19	Calero Dam Outlet Works Rehab
16	Recycled Water Masterplan - Long-Term Implementation
16	WTP Filter Backwash Aid
13	Coyote Pumping Plant ASD Replacement
8	Guadalupe Dam Outlet Works Rehab
7	Milpitas Pipeline Terminus Valve & Vault
7	Santa Clara Tunnel Leakage and Pacheco Conduit Dewater
5	Valve 906 Low-Flow Bypass

Flood Protection Capital Projects in Order of Priority

FUNDED

Priority	Name
94	Permanente Creek, San Francisco Bay to Foothill Expressway
81	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River
80	Sunnyvale East and West Channels
79	San Francisquito Creek, San Francisco Bay through Searsville Dam (Planning)
77	Guadalupe River–Downtown, Interstate 880 to Interstate 280
77	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road
67	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd
66	Llagas Creek–Upper, Buena Vista Road to Wright Avenue
59	Coyote Creek, Montague Expressway to Interstate 280 (Planning & Design)
58	Upper Penitencia Creek, Coyote Creek to Dorel Drive (Planning & Right of Way)
56	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)
54	Lake Cunningham Improvements
54	Lower Penitencia Creek, Berryessa to Coyote Creeks.
53	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road
42	Calabazas Creek, Miller Avenue to Wardell Road
33	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)
32	San Francisco Bay Shoreline
32	Early Shoreline Implementation Feasibility

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS

79	San Francisquito Creek, San Francisco Bay through Searsville Dam (Design & Construction)
61	Canoas Creek, Guadalupe River to Cottle Road
59	Coyote Creek, Montague Expressway to Interstate 280 (Construction)
58	Upper Penitencia Creek, Coyote Creek to Dorel Drive (Design & Construction)
55	Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation
33	Calabazas Creek, Wardell to Comer Debris Basin
32	SF Bay Shoreline Early Implementation Design & Construct
31	Alamitos Creek, Guadalupe River to Almaden Dam
16	Coyote Creek Overflow Channel Restoration, Montague Expwy
12	Los Gatos Creek, Twin Brook Drive

Water Resources Stewardship Capital Projects in Order of Priority

FUNDED

Priority	Name
	Mitigation (All Mitigation projects are required per CEQA or other Regulation and therefore do not receive a score)
	Dam Maintenance Mitigation
	SMP Mitigation, Laguna Seca Freshwater Wetland
	SMP Mitigation, Stream and Watershed Land Preservation
	Environmental Commitment
85	Jacques Gulch Restoration
	Environmental Enhancement
55	CSC Soap Lake Floodplain Property Acquisition
35	Lk Almaden/Guad Riv/Alamitos Ck Restoration - Planning
	Stewardship
65	FAHCE Stevens Creek Fish Passage Enhancement
35	Ogier Ponds Separation from Coyote Creek
29	Regnart Creek Stream Stabilization, Bubb to Stelling Rds.
25	Thompson Creek Stream Stabilization, Quimby to Aborn Rds.
24	Alviso Slough Restoration
8	Gold Street Educational Center

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS

77	Permanente Diversion Channel Restoration
74	Permanente Creek Riparian Channel Restoration
54	Comer Dam Removal Project
35	Coyote Creek Bypass
35	Lk Almaden/Guad Riv/Alamitos Ck Restoration - Design and Construction

Buildings and Grounds Capital Projects in Order of Priority

FUNDED

Priority	Name
73	Almaden and Winfield Campus, Small Capital Improvements

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS

70	Fleet Building Improvements
70	Winfield Vegetation Improvement
70	Winfield Warehouse Improvement
39	Almaden Campus Office Building

Information Technology Capital Projects in Order of Priority

FUNDED

50	ISMP Water Resource Information System
44	Radio Repeater System Infill
31	PeopleSoft System Upgrade
30	Microwave Telecommunications System

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS

55	Business Collaboration Platform

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APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Reimbursements are funds that are reimbursed by the District's partners after the District advances the needed funds. The follwing table identifies capital projects that are funded cooperatively with the District's partners through reimbursements.

Partnership Reimbursement

Project Number	PROJECT NAME & PARTNER AGENCY	Through FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
Current Projects										
91084017	**Bay Area Reg. Desalination, Mallard Slough Pilot Plant**									
	Department of Water Resources		237							237
	Subtotal	**-**	**237**	**-**	**-**	**-**	**-**	**-**	**-**	**237**
26174041s	**Berryessa Creek, Calaveras Blvd to Old Piedmont Rd**									
	State Subventions						2,735	2,520	1,144	6,399
	Subtotal	**-**	**-**	**-**	**-**	**-**	**2,735**	**2,520**	**1,144**	**6,399**
30154013s	**Guadalupe River–Downtown, I-880 to I-280**									
	State Subventions	24,562		626	1,830	1,440	485			28,943
	City of San Jose	1,654								1,654
	San Jose Redevelopment Agency	10,208								10,208
	Subtotal	**36,424**	**-**	**626**	**1,830**	**1,440**	**485**	**-**	**-**	**40,805**
26154001s	**Guadalupe River–Upper, I-280 to Blossom Hill Rd**									
	State Subventions		4,600	2,045	8,623	11,336	5,307	5,122	9,992	47,025
	City of San Jose	3,776								3,776
	U.S. Army Corp of Engineers								9,500	9,500
	Subtotal	**3,776**	**4,600**	**2,045**	**8,623**	**11,336**	**5,307**	**5,122**	**19,492**	**60,301**
91854002	**Jacques Gulch Restoration**									
	Santa Clara County	125		140						265
	Subtotal	**125**	**-**	**140**	**-**	**-**	**-**	**-**	**-**	**265**
26174051s	**Llagas Creek–Upr, Buena Vista Rd to Wright Ave**									
	State Subventions	2,151		2,562	1,081	1,717	4,301	4,460	1,595	17,867
	City of Morgan Hill	340	500	1,000	1,000	500				3,340
	Subtotal	**2,491**	**500**	**3,562**	**2,081**	**2,217**	**4,301**	**4,460**	**1,595**	**21,207**
40264008s	**Lower Silver Ck, I-680 to Cunningham (R4-6)**									
	State Subventions				2,500	2,500				5,000
	Natural Resource Conservation Service - ARRA	465	10,000	10,210						20,675
	Subtotal	**465**	**10,000**	**10,210**	**2,500**	**2,500**	**-**	**-**	**-**	**25,675**
91954001	**Pacheco Pumping Plant ASD Replacement**									
	San Benito County Water District	458	229	1,476	1,463	403	243			4,272
	Subtotal	**458**	**229**	**1,476**	**1,463**	**403**	**243**	**-**	**-**	**4,272**
91214008	**Pacheco Pumping Plant Regulating Tank Recoating**									
	San Benito County Water District	455	358	9						822
	Subtotal	**455**	**358**	**9**	**-**	**-**	**-**	**-**	**-**	**822**
91094007s	**Recycled Water South County Materplan**									
	South County Recycled Water Authority	708								708
	U.S. Bureau of Reclamation - ARRA			1,400						1,400
	U.S. Bureau of Reclamation - Federal				1,100					1,100
	Subtotal	**708**	**-**	**1,400**	**1,100**	**-**	**-**	**-**	**-**	**3,208**

Partnership Reimbursement (cont'd)

Project Number	PROJECT NAME & PARTNER AGENCY	Through FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17-21	TOTAL
91214009	San Felipe Communications Cable Replacement									
	San Benito County Water District	39	23	63	29	321	1			476
	Subtotal	**39**	**23**	**63**	**29**	**321**	**1**	**-**	**-**	**476**
91214007	San Luis Reservoir Low Point Improvement									
	Department of Water Resources	9,355	1,067	50	153					10,625
	U.S. Bureau of Reclamation	46								46
	Subtotal	**9,401**	**1,067**	**50**	**153**	**-**	**-**	**-**	**-**	**10,671**
91124001	San Tomas Well Field									
	Campbell Redevelopment Agency	3,929	1,000							4,929
	Subtotal	**3,929**	**1,000**	**-**	**-**	**-**	**-**	**-**	**-**	**4,929**
91214010	Small Capital Improvements, San Felipe									
	San Benito County Water District	277	270	219	224	230	235	241	1,295	2,991
	Subtotal	**277**	**270**	**219**	**224**	**230**	**235**	**241**	**1,295**	**2,991**
91184008	South Bay Advanced Recycled Water Treatment Facility									
	City of San Jose		2,800	5,600	1,000					9,400
	Department of Water Resources - Prop 50			2,940						2,940
	U.S. Bureau of Reclamation - Federal				1,000	1,000	1,000	1,000	1,000	5,000
	U.S. Bureau of Reclamation - ARRA		2,000	6,250						8,250
	Subtotal	**-**	**4,800**	**14,790**	**2,000**	**1,000**	**1,000**	**1,000**	**1,000**	**25,590**
91154006	Water Efficient Demo Garden									
	Department of Water Resources				146					146
	Subtotal	**-**	**-**	**-**	**146**	**-**	**-**	**-**	**-**	**146**
	Current Projects Subtotal	**58,548**	**23,084**	**34,590**	**20,149**	**19,447**	**14,307**	**13,343**	**24,526**	**207,994**
Completed Projects										
40264001s	Lower Silver Creek, Coyote Creek to I-680 (R1-3)									
	State Subventions	6,948	8,255							15,203
	Natural Resource Conservation Service	165								165
	Subtotal	**7,113**	**8,255**	**-**	**-**	**-**	**-**	**-**	**-**	**15,368**
62044020	Pond A8 Applied Study Final Design & Construct									
	State Water Resource Control Board		1,125							1,125
	California Coastal Conservancy - ARRA		866							866
	Subtotal	**-**	**1,991**	**-**	**-**	**-**	**-**	**-**	**-**	**1,991**
	Completed Projects Subtotal	**7,113**	**10,246**	**0**	**0**	**0**	**0**	**0**	**0**	**17,359**
	GRAND TOTAL	**65,661**	**33,330**	**34,590**	**20,149**	**19,447**	**14,307**	**13,343**	**24,526**	**225,353**

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Funding is funds that are made available by the District's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

Partnership Funding

Project Number	Project Name	Amount ($K)	Partnering Agency
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	San Francisco Public Utilities Commission
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	East Bay Municipal Utility District
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	Contra Costa Water District
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	Zone 7 Water Agency
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	763	Department of Water Resources
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam	3,000	U.S. Army Corps of Engineers
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam	1,500	County of San Mateo
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	170,500	U.S. Army Corps of Engineers (includes $12M ARRA Stimulus)
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	40,200	U.S. Army Corps of Engineers
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	20,400	U.S. Army Corps of Engineers
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	22,000	U.S. Army Corps of Engineers
00044026s	San Francisco Bay Shoreline	91,250	Primarily Corps, Coastal Conservancy, Fish & Wildlife, Wildlife Conservation
91854002	Jacques Gulch Restoration	4,000	County of Santa Clara
62214001	Thompson Creek Stream Stabilization, Quimby to Aborn Rds.	4,415	U.S. Army Corps of Engineers
	TOTAL	$ 359,060	

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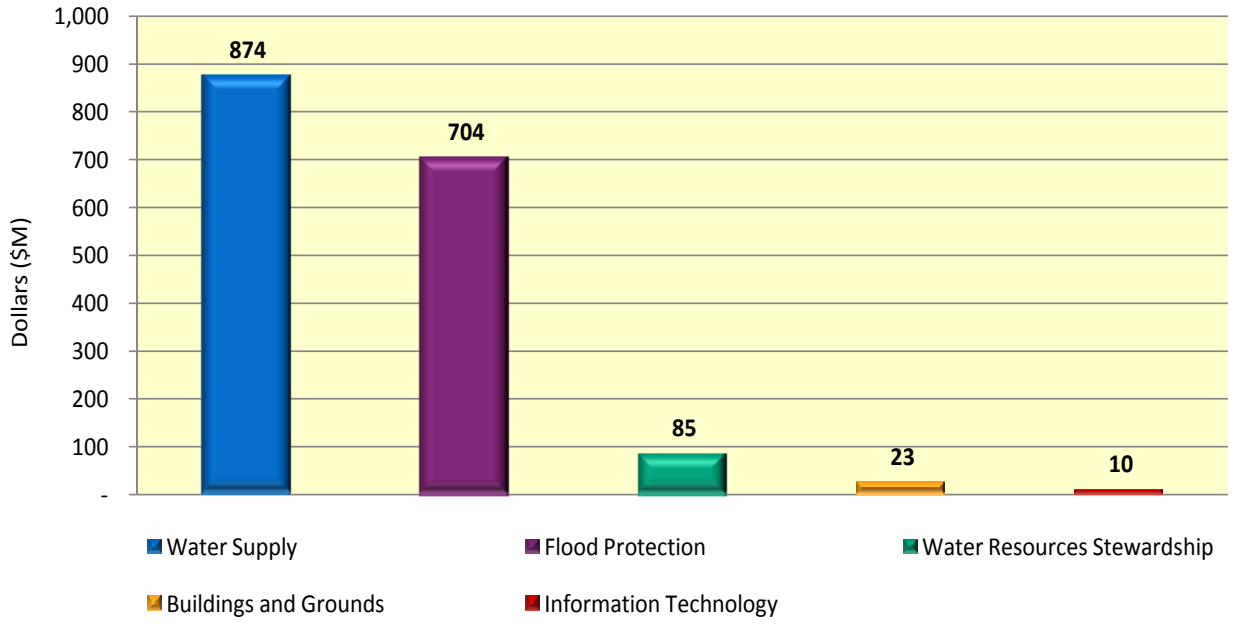
APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Type of Improvement ($K)

	THRU FY10 (Actuals)	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Water Supply	224,509	82,624	59,388	60,496	42,429	96,343	182,440	59,967	27,509	21,800	10,534	6,343	874,382
Flood Protection	307,593	99,892	81,975	77,360	76,787	46,368	12,097	755	764	59	62	128	703,840
Water Resources Stewardship	13,926	8,694	12,266	20,635	9,562	6,969	3,695	6,674	972	999	616	-	85,008
Buildings and Grounds	n/a	2,086	2,048	2,124	2,202	2,284	2,368	2,456	2,547	2,641	2,739	-	23,495
Information Technology	5,443	3,430	613	-	-	-	-	-	-	-	-	-	9,919
TOTAL	551,471	196,726	156,290	160,615	130,980	151,964	200,600	69,852	31,792	25,499	13,951	6,471	1,696,644

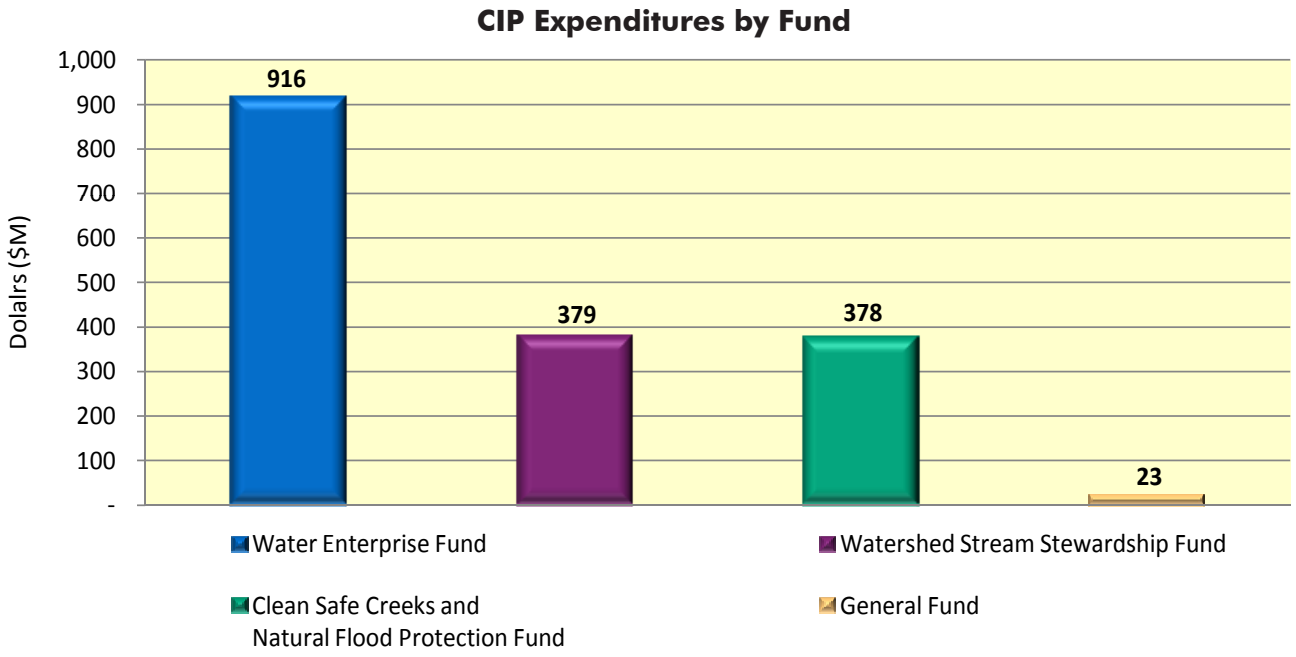
CIP Expenditures by Type of Improvement



APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Fund ($K)

	THRU FY10 (Actuals)	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Water Enterprise Fund	235,200	89,436	59,871	63,119	47,696	100,591	185,353	66,451	28,284	22,559	11,150	6,343	916,053
Watershed Stream Stewardship Fund	204,063	68,765	41,219	24,609	16,609	1,850	11,220	945	961	299	62	128	379,308
Clean Safe Creeks and Natural Flood Protection Fund	110,444	35,093	52,443	70,322	62,343	45,598	1,545	-	-	-	-	-	377,788
General Fund	-	2,086	2,048	2,124	2,202	2,284	2,368	2,456	2,547	2,641	2,739	-	23,495
TOTAL	549,707	195,380	155,581	160,174	128,850	150,323	200,486	69,852	31,792	25,499	13,951	6,471	1,696,644



APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the city of Campbell		
II-27	San Tomas Well Field	4
Projects benefitting the city of Campbell		
II-63	IRP2 Well Fields	2, 3, 4, 5
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
Projects in the city of Cupertino		
II-41	IRP2 Additional Line Valves	1, 3, 5
IV-25	Regnart Creek Stream Stabilization, Bubb to Stelling Rds.	5
II-59	Stevens Creek Supplemental Water	1, 4, 5
Projects benefitting the city of Cupertino		
III-11	Calabazas Creek, Miller Avenue to Wardell Road	5
II-63	IRP2 Well Fields	2, 3, 4, 5
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
Projects in the city of Gilroy		
III-33	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1
II-113	Recycled Water South County Masterplan - Short-Term Implementation	1
Projects benefitting the city of Gilroy		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
Projects in the city of Los Altos		
III-5	Adobe Creek, Upper Reach 5 Restoration	5
III-7	Permanente Creek, San Francisco Bay to Foothill Expressway	5
Projects benefitting the city of Los Altos		
II-63	IRP2 Well Fields	2, 3, 4, 5
II-51	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5

APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the town of Los Altos Hills		
III-5	Adobe Creek, Upper Reach 5 Restoration	5
Projects benefitting the town of Los Altos Hills		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
Projects in the town of Los Gatos		
II-13	Dam Instrumentation	1, 5
II-61	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	1, 3
II-45	Kirk Diversion Dam & Fish Screen Improvements	1
II-83	RWTP BL-1 Valve & Vault Replacement	1
II-85	RWTP Chemical System Upgrade	1
II-89 thru II-96	RWTP Facility Renewal Program (FRP) (4 projects)	1
II-87	RWTP Filter Polymer System Improvement	1
II-97	RWTP Reliability Improvement	1
II-99	RWTP Standby Power System Upgrade	1
II-101	RWTP Valve Replacements	1
II-107	Water Protection	1, 2, 3, 4, 5
II-109	WTP I/O Cards & Trunk Cable Upgrades	1, 3
Projects benefitting the town of Los Gatos		
II-63	IRP2 Well Fields	2, 3, 4, 5
VI-5	Microwave Telecommunications System	1, 2, 3
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-103	Small Capital Improvements, Water Treatment	1, 2, 3
Projects in the city of Milpitas		
III-19	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	3
III-21	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	3
III-27	Lower Penitencia Creek, Berryessa to Coyote Creeks.	3
Projects benefitting the city of Milpitas		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-37	San Francisco Bay Shoreline	3, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5

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Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the city of Monte Sereno		
	None	
Projects benefitting the city of Monte Sereno		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
Projects in the city of Morgan Hill		
II-35	Cathodic Protection of USBR-Owned Pipelines	1
III-35	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	1
II-47	Main & Madrone Avenue Pipelines Restoration	1
Projects benefitting the city of Morgan Hill		
II-9	Anderson Dam Seismic Retrofit	1
VI-5	Microwave Telecommunications System	1, 2, 3
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-57	South County Pipeline Right of Way Acquisition	1
Projects in the city of Mountain View		
IV-19	FAHCE Stevens Creek Fish Passage Enhancement	5
III-7	Permanente Creek, San Francisco Bay to Foothill Expressway	5
Projects benefitting the city of Mountain View		
II-51	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-37	San Francisco Bay Shoreline	3, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
Projects in the city of Palo Alto		
III-9	San Francisquito Creek, San Francisco Bay through Searsville Dam	5
Projects benefitting the city of Palo Alto		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-37	San Francisco Bay Shoreline	3, 5

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Projects in the city of San Jose		
II-31	Alamitos Diversion Dam Improvements	1
V-3	Almaden and Winfield Campus, Small Capital Improvements	1
II-33	Almaden-Calero Canal Rehabilitation	1
IV-17	Alviso Slough Restoration Planning	3
III-19	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	3
III-23	Coyote Creek, Montague Expressway to Interstate 280	2, 3
II-37	Coyote Diversion Dam Improvements	1
II-13	Dam Instrumentation	1, 5
II-15	Dam Safety Program Seismic Stability Evaluation	1, 5
II-39	East Pipeline Rehab, Aborn Turnout to Milpitas PL	2, 3
IV-21	Gold Street Educational Center	3
III-15	Guadalupe River–Downtown, Interstate 880 to Interstate 280	2
III-17	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	1, 2, 4
II-41	IRP2 Additional Line Valves	1, 3, 5
II-43	IRP2 Backup Raw Water Control Center at Almaden	1
II-61	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	1, 3
II-63	IRP2 Well Fields	2, 3, 4, 5
III-25	Lake Cunningham Improvements	2
IV-9	Lk Almaden/Guad Riv/Alamitos Ck Restoration - Planning	1
III-29	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	2
IV-23	Ogier Ponds Separation from Coyote Creek	1
II-49	Penitencia Fish Facilities Modifications	3
II-65	PWTP Ammonia System Relocation and Upgrades	3
II-67	PWTP Chemical Systems Upgrade	3
II-69	PWTP Clearwell Recoating & Repair	3
II-71	PWTP Filter Basin Covers	3
II-73	PWTP Improvement, Stage 2	3
II-75	PWTP Large Valve Automation	3
II-77	PWTP Maintenance Building	3
II-79	PWTP Washwater Clarification Facility	3
II-81	PWTP Water Pumps Modifications	3
IV-13	SMP Mitigation, Laguna Seca Freshwater Wetland	1
II-115	South Bay Advanced Water Treatment Facility	3
II-105	STWTP Incompatible Materials	1
IV-27	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	3
III-31	Upper Penitencia Creek, Coyote Creek to Dorel Drive	3

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Page Number	Project Name	Supervisorial District(s)
Projects in the city of San Jose (cont'd)		
II-117	Water Efficient Demonstration Garden	2
II-107	Water Protection	1, 2, 3, 4, 5
II-109	WTP I/O Cards & Trunk Cable Upgrades	1, 3
Projects benefitting the city of San Jose		
II-9	Anderson Dam Seismic Retrofit	1
IV-11	Dam Maintenance Mitigation	1, 5
VI-5	Microwave Telecommunications System	1, 2, 3,
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-37	San Francisco Bay Shoreline	3, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
II-103	Small Capital Improvements, Water Treatment	1, 2, 3
Projects in the city of Santa Clara		
	None	
Projects benefitting the city of Santa Clara		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
Projects in the city of Saratoga		
III-11	Calabazas Creek, Miller Avenue to Wardell Road	5
II-41	IRP2 Additional Line Valves	1, 3, 5
Projects benefitting the city of Saratoga		
II-63	IRP2 Well Fields	2, 3, 4, 5
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
Projects in the city of Sunnyvale		
IV-19	FAHCE Stevens Creek Fish Passage Enhancement	5
III-13	Sunnyvale East and West Channels	3, 5
Projects benefitting the city of Sunnyvale		
VI-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-37	San Francisco Bay Shoreline	3, 5
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5

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Project List by City/Town

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Projects in the Unincorporated areas of the County		
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II-33	Almaden-Calero Canal Rehabilitation	1
II-9	Anderson Dam Seismic Retrofit	1
II-35	Cathodic Protection of USBR-Owned Pipelines	1
II-11	Coyote Dam Control Building Improvements	1
IV-7	CSC Soap Lake Floodplain Property Acquisition	1
II-13	Dam Instrumentation	1, 5
II-15	Dam Safety Program Seismic Stability Evaluation	1, 5
IV-5	Jacques Gulch Restoration	1
II-17	Lenihan Dam Outlet Modifications	1
III-33	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1
III-35	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	1
II-47	Main & Madrone Avenue Pipelines Restoration	1
VI-5	Microwave Telecommunications System	1, 2, 3
II-49	Penitencia Fish Facilities Modifications	3
III-7	Permanente Creek, San Francisco Bay to Foothill Expressway	5
II-23	San Felipe Communications Cable Replacement	1
III-9	San Francisquito Creek, San Francisco Bay through Searsville Dam	5
II-53	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
II-29	Small Capital Improvements, San Felipe Reach 1-3	1
II-55	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
II-103	Small Capital Improvements, Water Treatment	1, 2, 3
II-57	South County Pipeline Right of Way Acquisition	1
III-31	Upper Penitencia Creek, Coyote Creek to Dorel Drive	3

Projects benefitting the Unincorporated areas of the County

None

APPENDIX F - GLOSSARY

Ad Valorem Tax
A tax based on value (e.g., a property tax).

Appropriation
An appropriation is a legal authorization grated by the Santa Clara County Board of Supervisors which allows the District to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

Benefit Assessment
Determination of the benefits derived from District activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of district resources greater than $50,000. They can be made with regard to tangible and intangible assets. The general categories of capital expenditures are: rehabilitation, major repairs, improvements/ betterments/ upgrades, replacements, expansions/ additions, and ancillary expenditures.

Capital Projects
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of District resources in excess of $50,000.

Certificates of Participation (COPs)
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

CEQA
California Environmental Quality Act

CIP
Capital Improvement Plan

Cost Center
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

DWR
State Department of Water Resources

EIR
Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

APPENDIX F - GLOSSARY

Enterprise Fund
Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

Expenditure/Expense
Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by the District are labor and overhead, land and structures, equipment, and debt service.

Facility
Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets
Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like ore related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

Fiscal Year
A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The District's fiscal year is July 1 through June 30.

Fund
A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund
A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants
Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

Levy
(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; (2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt
Debt with a maturity date of more than one year after the date of issuance.

One Percent Flood or 100 Year Flood
Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

Operating Expenditure

Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of under standing operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any District work that is not a project is, by definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

Projects

At the Santa Clara Valley Water District, a project is any undertaking which has (1) a beginning and an ending, (2) a one-time occurrence. Projects can require expenditure of capital or operating funds and, at the District, are called Capital or Operating Projects, accordingly. Project usually, but no always, relate to a District facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies the District receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.

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